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Background Analysis for Development and Establishment of a Lubricating Oil Management System - *Final Project Report*

Prepared by Bosna-S Consulting



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1. INTRODUCTION

The primary purpose of lubricants is to reduce friction between moving parts of various equipment or machinery. The use of lubricants minimises material wear and contributes to improved efficiency of equipment or machinery, and fuel and energy savings. The main categories of lubricants are *lubricating oils* and *lubricating greases*. These are used in numerous applications, which can be classified in one of the following two groups:

- Automotive applications - in marine, air, railway and road transport vehicles, off-road earth moving equipment employed in agriculture, mining, construction works, etc.
- Industrial applications - in a variety of specific mobile or stationary industrial equipment

In terms of extent, i.e. frequency of use, main types of lubricants¹ are:

- Motor (engine) oils for road traffic vehicles
- Automotive gear oils - manual transmission, hypoid oils
- Automatic transmission fluids
- Universal/special tractor oils
- Oils for other off-road vehicles, mobile machinery and equipment, including oils for two-stroke chainsaw motors in forestry
- Railroad oils
- Marine oils, i.e. oils for nautical applications
- Aircraft oils
- Hydraulic oils
- Compressor oils
- Turbine oils
- Industrial gear oils
- Metalworking oils, including water soluble oils
- Oils for electric installations, e.g. transformer oils
- Heat transfer oils, including cooling oils
- Slide way oils
- Oils for stationary engines, e.g. gas engines
- Process oils
- Lubricating greases for automotive and industrial applications

¹ in the context of this study, the terms *lubricants* and *lubricating oils* also refer to oils whose primary function is other than lubrication, for instance various process oils, electric insulation oils or heat transfer oils

Lubricants are internationally classified according to viscosity (mostly SAE - Society of Automotive Engineers' classification used for automotive oils, and ISO - International Standardisation Organisation's classification for industrial oils), consistency (NLGI – U.S. National Lubricating Grease Institute's classification used for lubricating greases), as well as according to application performances, expressed through widely adopted quality specifications set by international institutions, manufacturers' associations (e.g. ACEA - Association des Constructeurs Européens d'Automobiles, or European Automobile Manufacturers Association, API - American Petroleum Institute), but also individual original manufacturers of equipment and vehicles - OEM (Mercedes-Benz/DaimlerChrysler, Volkswagen, Man, Volvo, Atlas Copco, Wartsilla, Caterpillar, Allison, etc.). Even though lubricants of various types, viscosity classes and performances to some extent differ, primarily in quantitative chemical composition, from the environmental protection point of view, in terms of qualitative composition they can be considered in an integral way, focusing on their common, essential ingredients and properties.

Lubricating oils, in particular used (waste) lubricating oils, represent one of the most hazardous mainstream categories of environmental pollutants. Whether direct or indirect, their short- and long term impact on soil, waterways, plants, health of animals and humans is substantial if they are handled or disposed of in an uncontrolled manner. Once discharged, their natural degradation can sometimes take up to a few years. Besides this, inadequate burning of used oils, which is a widespread practice in the Central and Eastern Europe region, often leads to further significant air emissions of pollutants.

Currently there is no lubricating oil management system in Bosnia and Herzegovina (BiH) and all of its components, including the legal basis and reporting/monitoring mechanisms, are yet to be developed and implemented. The level of public awareness in respect of environmental impacts of waste, i.e. used lubricating oils is very low. According to relatively recent studies, estimated 8,000 to 10,000 tonnes of used oils have been dumped or improperly burned in Bosnia and Herzegovina during the year 2001. With only one local facility for used oil regeneration (re-refining), based on an environmentally inappropriate technology running at less than 10 % of its full capacity, and no organised used oil collection in place, the current situation in this respect is alarming and requires urgent action. Due to the fact that there has been no systematic gathering of information on lubricants flows and applications, clear insight in the situation could not be obtained and no effective planning for establishment of a lubricating oil management system could commence.

The following table summarises the changes in Bosnia and Herzegovina of relevance for lubricants management, induced with the dissolution of former Yugoslavia, outbreak of war and transition from the mainly state-planned to increasingly privatised, market economy:

	BY 1992	CURRENTLY
New lubricants market	monopolised	numerous players
Used oil recycling subsidies/ incentives	tax incentive stimulating used oil regeneration	none
Used oil collection system	relatively good	none
Local processing (regeneration) of used oils	3,000 – 8,000 t/y	symbolic (no regeneration)
Overall industrial activities	intense	mostly collapsed
Number of registered motor vehicles	around 550,000	> 750,000

The framework for the establishment of an integrated used oil management system in any case has to encompass the following key elements:

- Database/inventories
- Necessary legislation
- Subsidising/incentives mechanisms promoting recycling
- Environmentally sound used oil disposal methods
- Reporting/monitoring/inspection system
- Training of key institutional personnel
- Public awareness of negative impacts of both new and used lubricants

The long term objective of the project Background Analysis for Development and Establishment of a Lubricating Oil Management System in BiH, sponsored by UNEP/MAP, UNEP/SBC and Basel Convention Regional Centre in Bratislava, and implemented by the Ministry of Physical Planning and Environment of FBiH in association with Bosna-S Co., is to provide basis for later development and establishment of an efficient lubricating oil management system in Bosnia and Herzegovina in accordance with EU directives and Basel Convention Technical Guidelines. The project significantly contributes to several priority fields of the Strategic Plan for the implementation of the Basel Convention:

- *Prevention, minimization, recycling, recovery and disposal of hazardous and other wastes subject to the Basel Convention, taking into account social, technological and economic concerns (Field a),*
- *Further reduction of trans-boundary movements of hazardous and other wastes subject to the Basel Convention, taking into account the need for efficient management, the principles of self-sufficiency an proximity and the priority requirement of recovery and recycling (Field c)*
- *Improvement and promotion of institutional and technical capacity building, as well as the development and transfer of environmentally sound technologies, especially for developing countries and countries with economies in transition (Field e), and*
- *Co-operation and partnership at all levels between countries, public authorities, international organizations, the industry sector, non-governmental organisations and academic institutions (Field h).*

Finally, regardless of the fact that the project is focused on used lubricants/oils management issues, its results will also allow for improvements in new, that is unused lubricants management up to the moment they are put in application. The work on this project comprised the following segments:

- Assessment of current local lubricants industry
- Collection of data on imports and exports of lubricants
- Collection of information on lubricants sales
- Estimates of consumption and used oil generation
- Consideration of current lubricants use and disposal practices
- Analysis of available used oil treatment facilities
- Assessment of current environmental impacts and risks related to lubricants use
- Establishment of database/inventories of major users of lubricants, i.e. used oil generators

2. METHODOLOGY APPLIED

The methodology applied during the work on this project task was based on the following approach:

- Analysis of previous studies and reports of importance to the project (desk research)
- Development of questionnaires and their distribution to gather up-to-date information/data
- Contacts and exchange of additional information with key stakeholders
- Analysis and interpretation of collected information
- Report preparation

Aimed at obtaining information on new and used lubricants in Bosnia and Herzegovina, the project team prepared the following five types of questionnaires and distributed them to identified priority groups (categories) of recipients:

G1 - manufacturers, importers, distributors and exporters of lubricants,

G2 - institutions keeping records of basic lubricant streams (Entity Offices of Statistics, state Chamber of Foreign Trade, Customs),

G3 - major users of lubricants/oils - industry, mining sector, transport sector, forestry sector and agricultural sector,

G3a - workshops for cars and other vehicles, and

G4 - other users of lubricants/oils (state Ministry of Defence, Ministries of Internal Affairs - Police, EUFOR - European Union Armed Forces based in Bosnia and Herzegovina).

The questions included in the questionnaires primarily addressed the lubricant types and quantities, new and used lubricants storage issues, used oil disposal methods, current problems and suggestions related to the establishment of a used lubricating oil management system. Annex 1 to this report, containing translated sample questionnaires, is a constitutive part of this document. The priority companies and institutions for distribution of the questionnaires have been identified in consultation with the chambers of commerce, associations and major distributors of lubricants. With respect to the need to facilitate future establishment of a used lubricating oil management system, and taking into account the largest generators of used lubricants (primarily *lubricating oils*), it was concluded that in the process of data collection it is most appropriate to focus on the categories of workshops, which yield large quantities of used lubricating oil drained from individual vehicles, as well as the categories of major importers/manufacturers/distributors of lubricants, large transport companies and key industrial users of oils - also large generators of used oils, in particular:

- all three state-owned electric power companies - Elektroprivreda BiH, Elektroprivreda RS and Elektroprivreda HZHB, primarily their all hydropower plants and thermal power plants,

- mines,
- large metal processing companies,
- paper industry,
- cement manufacturers,
- major representatives of textile and leather industry,
- representatives of electro-industry,
- representatives of food industry,
- large agricultural companies,
- construction companies, and
- large forestry companies and wood processing industry.

Owners of the main local gas stations networks have been asked to provide information on the practice of lubricating oil change performed at their stations, along with the data on quantities and types of lubricants they sell/distribute in the country. Figure 1 on the next page illustrates the principal lubricants flows which were taken into account during this analysis.

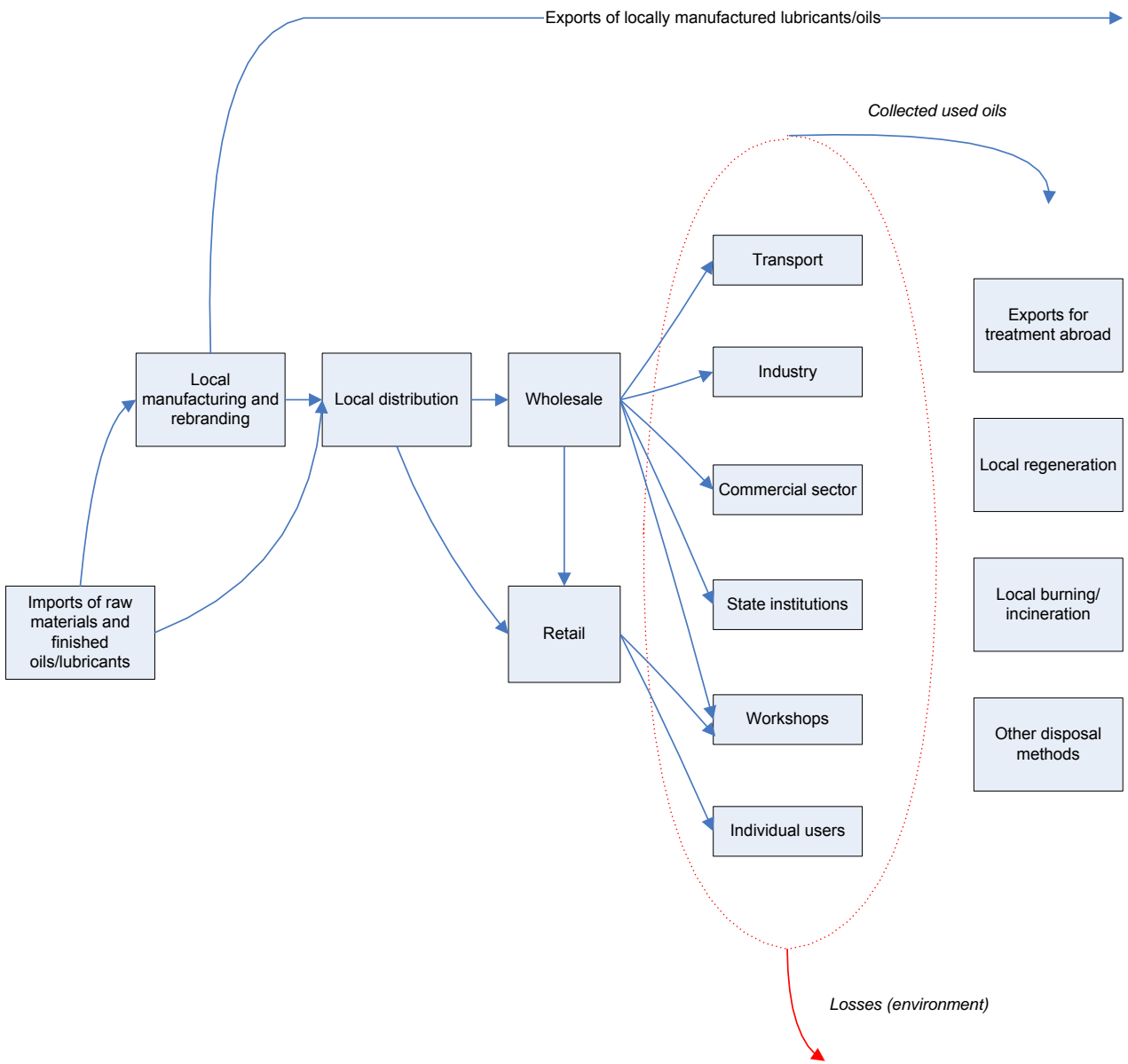


Figure 1 - Lubricants flow diagram

A total of over 1,100 questionnaires were sent out (list of all recipients is provided in Annex 2). Of these, over 900 questionnaires were sent to companies listed in business address books as vehicle workshops. However, it turned out that many of the companies registered as workshops do not exist any more, or did never exist, or actually do not provide car maintenance or oil change services. Multiple registration of businesses is common in Bosnia and Herzegovina, e.g. a company officially registered as a car workshop and car wash shop often performs only the latter activity. Thus 27 companies officially denied their involvement in oil change activities in writing, further 20 explained this only by telephone, while certainly many more of this kind did not deem necessary to reply at all. In addition to this, 60 questionnaires were returned due to impossible postal delivery (unknown recipient, company dissolved, etc.). It should also be taken into account that there are many car mechanics who perform repair works at home, often without any registration. Since no official, systematic registry of all actual vehicle workshops performing oil change exists, the methodology applied was the best possible approach.

Based on additional examinations and consultations with major oil distributors, a corrected, more realistic estimate of the number of workshops was made. According to this, there are some 95 authorised workshops (e.g. authorised for servicing of Volkswagen, BMW, Mercedes or Toyota vehicles), and roughly estimated 450 small workshops. This would give a total of around 550 workshops in the whole country.

The questionnaires were sent out through the Ministry of Physical Planning of the Federation of Bosnia and Herzegovina (FBiH) and Ministry of Urbanism, Civil Engineering and Ecology of Republika Srpska (RS). The initial response showed to be poor. To the extent possible, this was consecutively improved by additional reminders of the individual recipients of questionnaires (primarily by telephone). As a result, 106 properly completed questionnaires were received from workshops, representing a sample of 20 % of the estimated total number of workshops. Based on the input from the workshops which replied, as well as on information from other sources, it is more than apparent that vast majority of the used oil collected during oil change at workshops is currently burned in ordinary furnaces instead of regular heating oil. This very fact explains why many of the workshops did not respond to the questionnaires. Efforts aimed at establishing a nation-wide management system for proper disposal of used oils mean that these workshops would lose what they have been using as a cheap alternative fuel. The response rate of other recipients, i.e. manufacturers, distributors, industrial users and institutions, has been somewhat higher with a figure of around 40%. The overall response rate, considering all recipient categories, was close to 30%.

At the parallel to the gathering of information by means of questionnaires, members of the project team met with and consulted some of the key stakeholders, i.e. manufacturers and importers/distributors of lubricants, as well as current used oil disposal companies and operators with disposal potential. In due course, lubricants/oils issues were particularly considered with the following key companies:

- Oil Refinery Modrica
- Energopetrol Sarajevo
- Petrol BH Oil Company, Sarajevo
- OMV Istrabenz BiH, Sarajevo
- HOLDINA Sarajevo
- Castrol Croatia, BiH subsidiary, Sarajevo
- Trgosirovina Sarajevo
- Südmüll BiH, Tuzla
- Cement Factory Lukavac
- Cement Factory Kakanj
- Thermal Power Plant Tuzla
- Thermal Power Plant Kakanj
- Elektroprivreda HZHB Mostar

Besides information on manufacturing, imports, exports, sales and use of lubricants obtained through questionnaires, the current practices and problems related to the use, storage and handling of both new and used oils were discussed with the key stakeholders, whereby their suggestions on the future lubricating oil management system establishment were taken into account.

During and after these activities the project team analysed and processed the data collected, quantifying and qualifying the current state of the local lubricants industry, imports, exports and use of lubricants in the country, and set up a database/inventories. Current practices of use and disposal of lubricants in industry, forestry, mining, agriculture, civil engineering, transport sector, and at gas stations and workshops were considered. Existing local facilities for treatment of used oil by means of regeneration and burning were analysed with a brief reference to the possibilities of treatment in other countries.

3. FINDINGS AND ANALYSIS OF COLLECTED INFORMATION

3.1 Review of legal and institutional framework

A Waste Management Strategy for Bosnia and Herzegovina setting a well defined road map for overall waste management improvements in the country has been developed with EC support in 2000, and approved by the Entity (Federation of BiH and Republika Srpska) parliaments only recently. Several laws and bylaws addressing waste materials and to some extent recycling were introduced by the BiH Entities in the recent years. These are either not fully implemented or do not provide the necessary incentives. However, they do represent a valuable legal basis for collectors and processors of waste materials. For the time being, there is no legislation pertaining to waste management on the state level. The legislation is thus on the level of Entities of Bosnia and Herzegovina:

Law on Waste Management of FBiH and RS (2003, 2002)

The provisions of both entity Laws are very similar, since they were developed simultaneously as part of a package of five environmental laws introducing EU harmonized principles for environmental legislation in BiH. The entity Laws on Waste Management establish a general framework for all aspects of solid waste management. They define the appropriate waste management hierarchy (prevention, minimization, etc.), general responsibilities at the Entity level, relations with other 4 framework environmental laws, definition of wastes, list of hazardous wastes etc. These Laws on Waste Management set a solid basis for waste management, however, they do not regulate specific waste management activities, i.e. do not provide substance and detail. Corresponding secondary legislation is expected to regulate the waste sector, however, the framework Laws fail to provide the necessary pinpoints for some of essential by-laws. Dissociated responsibilities between the BiH entities further exacerbate the problem. Nevertheless, several by-laws addressing the following issues have been enacted in 2005:

- *Permitting of small scale waste management activities* - (permitting of "larger scale" activities is readily regulated by the framework Law on Waste Management),
- *Conditions for transferring general waste management obligations to third parties,*
- *Implementation of the European Waste Catalogue,*
- *Rehabilitation and closure of existing waste disposal sites/dumps*
- *Certification of waste management operators for use and transfer of waste treatment technologies and equipment*

- *Handling of wastes of unknown characteristics* (this regulation specifies procedures of notification of authorities in charge, etc. for the cases where unknown waste emerges; basically such wastes must be handled as if they were hazardous as long as not proven otherwise).

These by-laws regulate several aspects of waste management; however, do not provide any direct incentives for waste recovery or recycling activities. It is anticipated that incentives will be introduced under the Environmental Fund (*Law on Environmental Fund*), which is currently being established. The primary entity Laws on Waste Management also set some general provisions on producer responsibility and source separation of waste materials, however, secondary legislation, i.e. implementing regulations specifying this in detail, are not available yet.

The following legislation specifically pertaining to waste recovery and recycling is in force:

- *Law on Collection, Manufacturing and Marketing of Secondary Raw Materials of FBiH (1998)*, which briefly sets the rights, obligations and liabilities of persons and companies dealing with recyclables; for companies collecting or processing recyclable wastes in the FBiH, compliance with this Law is subject to inspection and official approval by the cantonal Ministry of Economy in charge. The cantonal Ministry actually issues a Decision on Compliance,
- *Regulation on Technical Infrastructure and Equipment for Business Premises used for Collection, Processing and “Manufacturing” of Waste Materials and Secondary Raw Materials of FBiH (2000)*, which sets some basic, yet undifferentiated requirements for equipment and infrastructure,
- *Regulation on Collection, Disposal, Sorting and Purchase of Secondary Raw Materials of the Sarajevo Canton (2002)* - a single page document, which sets some very brief and unspecified guidelines,
- *Regulation on Conditions and Methods of Sorting, Packing and Storage of Secondary Raw Materials of RS (2001)*, and
- *Regulation on operation of waste burning facilities* - this regulation specifies the technical requirements on all facilities for waste incineration/burning in accordance with the EU directives (e.g. on burning temperatures and maximum emissions). It also contains provisions on emissions monitoring requirements.

Besides this legislation, a draft *Regulation on selective collection, packaging and labelling of wastes* is currently in the process of adoption. It is expected to impose that waste generators or holders keep different wastes separated as long as this is required to facilitate proper final treatment. This regulation also spells out some basic requirements in relation to waste identification, packaging, labelling, storage, transport and hand over to

persons/companies authorised for waste management. A separate appendix is expected to address the selective collection of used oils. This section would introduce an obligation on generators, i.e. end users of used oil, to recover certain percentage of own used oil (i.e. 45% for motor oils, 75% for hydraulic oils, 50% for compressor oils, 75% for gear oils, 80% for transformer oils, 70% for heat transfer oils, 50% for metalworking fluids, 20% for slideway oils). This will be supportive of the expected future introduction of producer obligation to arrange recovery/recycling of used oils in accordance with provisions of the framework Law on Waste Management.

The key governmental institutions with respect to waste management activities are the Ministry of Environment and Tourism of FBiH (successor of the recently transformed Ministry of Physical Planning and Environment) and the Ministry of Physical Planning, Urbanism, Construction Works and Ecology of RS, as well as the cantonal ministries in charge of environmental matters within the FBiH. Two types of permits relevant to waste management activities are issued by the Entity Ministries or the cantonal ministries in the case of the FBiH, depending on the scale of activities:

Environmental permits

According to the *Law on Environmental Protection of the FBiH* (Official Gazette of the FBiH No. 33/03) and *Law on Environmental Protection of RS* (Official Gazette of RS No 53/02) environmental permits are to be issued to plants and facilities specified in the *FBiH Regulation on facilities subject to obligatory environmental impact assessment, and facilities which may be constructed and operated only with a valid environmental permit* (Official Gazette of FBiH No 19/04), and the *RS Regulation on facilities which may be constructed and put in operation only with a valid environmental permit* (Official Gazette of RS No 07/06). For new facilities/plants, the environmental permitting procedure can include some or all of the following procedural steps: i) preliminary environmental impact assessment (preliminary EIA); ii) preparation of full scale EIA Study; and iii) issuance of environmental permit. The process also includes obligatory public consultations. Existing facilities/plants are subject to a simplified procedure - e.g. the recently enacted *FBiH Regulation on environmental permit application requirements for existing facilities and plants*, i.e. those already owning an old *usage permit* (Official Gazette of FBiH No 68/2005) specifies that a *plan for environmental adaptation activities* must be submitted in order to obtain an environmental permit. Whether existing or new, the plants and activities below the thresholds of the mentioned Entity by-laws (regulations) are either exempt from environmental permitting, or subject to environmental permitting on the cantonal level, if within the thresholds specified by the cantonal legislation (in the case of the FBiH).

Waste management permits

According to the above mentioned *Law on Waste Management of the FBiH* (Official Gazette, No 33/03) and the *Law on Waste Management of RS* (Official Gazette of RS, No. 53/02), whose provisions are equivalent, waste management activities exempt from environmental permitting are subject to waste management permitting. As already mentioned, in addition to this, the FBiH Law also has a separate implementing regulation on

Permitting of small scale waste management activities (2005). The activities of non-hazardous waste management below the thresholds of this regulation are exempt from waste management permitting.

Regarding waste transports, standard international and national transport regulations apply (e.g. FBiH *Regulation on requirements on extraordinary road transport*, *Official Gazette of FBiH*, No 52/2002, which addresses transports exceeding 40 tons in total weight or 4 m in total height, 16.5 m in total length for small trucks and vehicles with a semi trailer, and 18.0 m in total height for vehicles with a trailer, as well as transports associated with axis loads exceeding the thresholds specified by this regulation). Concerning the custom duties, it is important to note that while waste exports are completely exempt from custom duties (taxes), in the case of imports only a 1% administration fee is charged. In the case of hazardous waste exports, a prior clearance must be obtained from:

- i) Entity Ministry of Environment in charge (Ministry of Environment and Tourism of FBiH, or the Ministry of Physical Planning, Urbanism, Construction Works and Ecology of RS, depending on the origin of waste to be exported)
- ii) Ministries in charge of the transit countries
- iii) Ministry in charge of the destination country

This procedure includes provision of a financial guarantee against "all risks including rejection of waste in the destination country", which is primarily aimed at securing finances for alternative environmentally sound disposal of the waste material in the case that the originally intended disposal turns unfeasible. This procedure is in accordance with the *Basel Convention on Trans-boundary Movements of Hazardous Wastes*, also signed by BiH. In the case of multiple trans-boundary transports of the same type of waste, to the same destination, using the same transport routes, a single annual clearance can be obtained covering all individual transports of the kind during the year. Used oil represents a typical waste stream subject to this requirement.

3.2 Local lubricants industry and market

The only full-scale blending plant in Bosnia and Herzegovina is owned and operated by Oil Refinery Modrica. This company is thus the only actual local manufacturer of lubricants. Up to the beginning of the 1990s, Oil Refinery Modrica used to source the so called Base Oil Stock as raw material from the neighbouring Primary Refinery in Bosanski Brod, which performed atmospheric distillation of imported crude and produced mainly fuels. The residual Base Oil Stock fraction from the Primary Refinery used to be transferred to Oil Refinery Modrica, where it was further refined in a process of vacuum distillation and deparaffination, followed by blending of the refined semi-product (base oils) with imported lubricant additives. However, with the outbreak of wars in Croatia and then in Bosnia and Herzegovina in 1991 and 1992, the situation substantially changed. The primary refinery in Bosanski Brod faced serious difficulties and worked only sporadically since the supplies of crude were interrupted. Therefore Modrica Oil Refinery was forced to start importing base oils along with additives in order remain capable of continuous blending, i.e. manufacturing

lubricants. Like with many other companies on the territory of former Yugoslavia, Oil Refinery Modrica's market presence in the region meanwhile shrunk. The annual output of this company peaked at 46,000 tonnes in 1989 and it included a comprehensive finished lubricants portfolio spanning from mineral and synthetic base automotive, to a number of special industrial products, as well as high quality base oils which were further sold to other blenders of lubricants, such as German and Austrian subsidiaries of Castrol. Pre-1991 demand for lubricants in the former Yugoslavia was estimated at around 250,000 t/y (automotive lubricants alone 120,000 t/y), in which Bosnia and Herzegovina participated with approximately 20,000 t/y in total. At the time Oil Refinery Modrica marketed its products in most other parts of the former Yugoslavia.

In the recent years the output of Oil Refinery Modrica dropped to less than 10,000 tonnes per year in total. The current product range includes primarily mineral base automotive and industrial lubricants. In terms of relative size, by far the most significant product categories produced by this company at present are automotive lubricants, i.e. motor oils and automotive gear and transmission oils (which make up to 60-70% of the total in the current circumstances of dormant industrial activities), followed by major industrial grades such as hydraulic and compressor oils. This company shows a tendency of growth in terms of local market share and it is gradually regaining some of its lost pre-1991 businesses. However, since the market meanwhile opened for foreign companies, Oil Refinery Modrica is not likely to reach its past presence on the Bosnian market.

Besides Oil Refinery Modrica, a few other companies have been more or less sporadically performing improvised, small-scale blending, as well as re-branding finished lubricants purchased from other, primarily foreign companies (re-branding is actually often widely misinterpreted as a way of manufacturing). Energopetrol Sarajevo, with a network of 70 gas stations, Krajinapetrol Banja Luka (15 gas stations) and Petrol Banja Luka (75 gas stations) are further major national companies distributing lubricants along with fuels. It should be noted that Energopetrol had by far the strongest, almost monopolistic position on the BiH market by 1991, accompanied by INA of Croatia (now INAMOL). At the time it ran most of the local gas stations, whereas even Oil Refinery Modrica was a member of the Energoinvest/Energopetrol Group. However, this Group dissolved and the remaining Energopetrol, nowadays with substantially weaker market position, has lately been facing serious difficulties. This allowed other, primarily foreign companies, to strengthen their market position on this account. Negotiations on acquisition of a majority stake in Energopetrol by either INAMOL of Croatia/Hungary (HOLDINA in BiH) or OMV of Austria are pending. Should this result in a take over by either of the two bidders, the situation on the market will significantly change. This may for instance position HOLDINA as the market leader.

Along with the mentioned local companies, notably strong market position have the Bosnian subsidiaries of the Croatian/Hungarian INAMOL (HOLDINA in BiH), OMV Istra-Benz of Slovenia (mother company OMV based in Austria) and subsidiary of Petrol of Slovenia (Petrol BH Oil Company), who all own gas stations allowing them to sell substantial quantities of automotive lubricants. A number of other foreign lubricant companies also have significant market presence despite the fact that they do not run own gas stations in the

country. These import finished lubricants and have direct or indirect distribution arrangements with other companies running gas stations or workshops, and direct supply arrangements with industrial users.

Further to these companies, the following additional major importers and distributors, none having their own lubricant brands, also operate on the market:

- Antunovic Orasje, owning a number of gas stations,
- Cavkunovic Bihac,
- Circle International Medjugorje,
- Hifa Tesanj, with its own gas stations,
- Interoil Srebrenik,
- Zovko Oil Zepce, also owning a number of gas stations,
- Milka Laktasi,
- Energoprom Tesanj,
- Valtec Busovaca,
- Piroil Capljina,
- Megamix Visoko,
- Almy Zenica, and
- Vranješ Grude.

While altogether more than 300 companies are registered with the chambers of commerce as distributors of lubricants, many of them are actually believed to be inactive in this respect. Based on discussions with major distributors, some 200 companies are believed to be effectively involved in distribution, most being small players difficult to monitor by the authorities for the time being due to insufficient institutional capacity. It is suspected that there have also been undesired activities on the market, including distribution of products which do not meet minimum quality requirements.

Over 40 different brands of lubricants have been observed on the market of Bosnia and Herzegovina during the recent years. In terms of market presence, it is important to note that Oil Refinery Modrica (with its major lubricant brands Optima and Maxima) and INAMOL (through HOLDINA, INTERINA, as well as many small distributors) are by far the largest players with a combined market share exceeding 30%. OLMA, Castrol, Shell, OMV, Petrol, Valvoline, Fuchs, Liqui Moly, Mobil, Energopetrol, Petrol Banja Luka, Krajinapetrol, Tehnosint, Mapetrol and Petrol Ofisi also hold significant but lower shares in the market. Other companies present with their own brands include Fuchs, Texaco, Madit, Esso, BP, Ravenol, Rivanol, Opet, Apex, Mogul and Addinol.

Largest quantities of lubricants are sold through retail outlets such as over 500 gas stations, workshops and vehicle auxiliary shops, as well as directly supplied through wholesale arrangements to large individual consumers such as major transport companies and large industrial users. Some industrial users even import lubricants directly for their own needs. It should be noted that alone Energopetrol, Krajinapetrol, Petrol Banja Luka and the local subsidiaries of INAMOL of Croatia/Hungary and Petrol of Slovenia own and operate over 250 gas stations, while the rest are owned by a number of small private companies.

Even though the consumption of industrial lubricants is much lower than in the pre-1991 period due to weaker industrial activities, the consumption of automotive lubricants is substantially higher because the vehicle park has steadily grown in the last 15 years. This is primarily related to a strong increase in the number of privately owned passenger cars resulting from liberalisation of car imports. Mineral base lubricants are dominant, exceeding 90% of the entire lubricants market. The rate of imports is currently much higher than the rate of exports. For the time being, Modrica Oil Refinery is the only local company exporting lubricants, primarily to Serbia. Quantitative features of the BiH lubricants market are presented in the following sections of this report (Imports and Exports of Lubricants, Sales and Consumption)

The quality of automotive products, by far the largest product group, placed on the market ranges from top quality full- and semi synthetic SAE 0W-40, 5W-40 or 10W-40 grades meeting the latest international performance specifications such as ACEA A3-98/B3-98/B4-98, API SL/CF-Energy Conserving and latest requirements of individual major Original Equipment/vehicle Manufacturers (OEM) such as Volkswagen or DaimlerChrysler, to low quality, mineral base multi- and mono-grade oils meeting obsolete specifications such as API SF/CC. Top quality synthetic lubricants are primarily used in new cars. However, since the vehicles older than 10 (up to 15) years currently outnumber newer and brand-new ones, corresponding low quality lubricants are still dominant on the market.

Considering the market prospects in the years to come, it is expected that the demand for automotive lubricants, which dominate the lubricants market with shares currently varying in excess of 60% (vs. approximately 40% in some developed industrial European countries), will initially see a steady growth as the vehicle park rapidly grows. The increase of the number of vehicles will still much be based on imports of second hand cars older than 5 years or so. However, once the standard of living of the local population nears the average European scale, the share of new vehicles, primarily passenger cars, will rise. Therefore, following the initial increase of lubricants demand, after a verge point has been reached, this is expected to ultimately lead to stagnation or shrinking of the lubricants market in terms of consumption and sales volumes. This does not necessarily have to affect revenues of the oil producers and distributors. The same trend has been observed in the developed Western European countries. This phenomenon is associated with a relative shift towards consumption of synthetic base lubricants with much longer drain intervals in new cars. These cost much more than mineral base lubricants, but in turn allow much longer use than with mineral base products, i.e. drain intervals may be prolonged up to 30,000 or even 50,000 km, depending on the formulation, compared to the intervals of some 5,000 to 10,000 km with low quality mineral base products. Due to this, and because of smaller oil sumps in new vehicles, the lubricants consumption rate will be reduced. With respect to the issue of used (waste) oils management, this will on one hand be beneficial to the logistics, primarily collection and transport of used oils since their quantity will also either stagnate or decline. On the other hand, even though the volumes of used oils generated may be lower, implications on their final disposal methods may be serious. The increased relative portion of the synthetic components and performance additives in modern lubricants, as well as a higher relative content of pollutants in used oils associated with extended drain intervals,

will when it comes to treatment require ever more complex processing methods, likely to make incineration in dedicated hazardous waste incinerations the only viable disposal option.

The currently modest industrial lubricants market in the country is expected to gradually grow. The level of industrial activities in Bosnia and Herzegovina compared to pre-1991 situation is very low. Many state-owned large industrial plants have gone bankrupt and ceased their operations. Some of these are expected to be acquired by foreign companies and then restart their activities. Coupled with erection of new industrial facilities, this is expected to eventually reverse the current industrial trend into positive. However, having in mind that the share of automotive lubricants will remain dominant regardless of the scenario, in the decades to come the lubricants market as a whole may after the initial growth face either stagnation or decline in terms of sales volumes.

3.3 Imports and Exports of Lubricants

Based on official data obtained from the State Chamber of Foreign Trade and Statistical Offices of the FBiH and RS, 12,381 tonnes of automotive lubricants, hydraulic oils, compressor oils, metal working oils, mould release oils and electric insulation oils have been imported to Bosnia and Herzegovina (BiH) as a whole during 2005, of which automotive oils (engine and automotive gear oils), hydraulic and compressor oils represent 95%. During the same year, further 12,840 tonnes of "other" lubricating oils have been imported. This figure corresponds mainly to imports of base oils intended for use in local manufacturing of lubricants, and probably not all of this quantity was used for blending during the single calendar year. Part of the imported base oils probably finds direct applications without blending with additives, i.e. in some industrial applications requiring straight base oil. According to the same sources of information, over 400 companies (complete list is provided in Annex 3) imported lubricants in 2005, including end users who imported for their own supplies.

At the same time, 4,708 tonnes of automotive lubricants, hydraulic, compressor, metal working oils, mould release oils and electric insulation oils, as well as 278 tonnes of "other" lubricating oils, in this case representing mainly special industrial lubricating oils and greases, have been exported during 2005. Thus the total exports figure for this year is 4,986 tonnes. Basically most, if not all of these exports can be attributed to Oil Refinery Modrica as the only actual local blender of lubricants.

While the above figures correspond to new (unused) lubricants, according to the same sources of information, 18 (precisely 17.9) tonnes of PCB-free used oils have been imported, and approximately the same amount (18.4) exported during 2005. The imported used oils were probably intended to be ultimately used as alternative fuel by some industrial facilities, while exports may be associated with disposal in hazardous waste incinerators, probably in the nearest countries with such plants, i.e. Austria or Germany. The following table summarises the imports and exports in 2005:

	2005 Imports, [t]	2005 Exports, [t]
Automotive, hydraulic, compressor, metalworking, mould release and el. installations lubricants/oils	12,381	4,708
Other lubricating oils	12,840	278
Used oils without PCB	18	18

3.4 Sales and consumption

There is no readily available information on official sales volumes. However, combining the official figures on some individual companies' local distribution/sales obtained with unofficial information on relative market position of all major companies, the total sales volume in the country as a whole is estimated at some 26,000 t/year. Furthermore, considering some estimates made within other studies, empirical information from CONCAWE, as well as the current number of registered motor vehicles in Bosnia and Herzegovina, their age, average oil sump size, average oil change intervals based on discussions with workshops, and current level of industrial activities in the country relative to the pre-1991 period, the actual overall consumption figure is estimated at approximately 22,000 to 23,000 t/y, that is approximately 90% of the total sales:

- number of registered vehicles: > 750,000
 - vehicles 15 years of age or older: > 50%
 - average oil sump size²: 10 l
 - average oil consumption per vehicle: 18-20 kg/year
- automotive lubricants total: 750,000 x 18-20kg = 13,500-15,000 tonnes per year
 +
industrial and other lubricants: ~ 8,000 tonnes per year
GRAND TOTAL: ~ 21,500-23,000 tonnes per year

Largest part (over 60%) of lubricants is used in various vehicles. It should thereby be noted that individual users, i.e. owners of passenger cars, represent the category which consumes the largest quantity. The table on the next page shows the typical types and annual quantities of lubricants used by companies of different categories, based on the data obtained directly from the companies within this project.

² considering relative percentage of passenger cars, heavy duty and light commercial vehicles, as well as their different oil sump sizes

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Table 1 - Typical annual consumption of lubricants in [kg]:

	Power generation (HPP, TPP)	Mining	Metal processing, metallurgy	Cement manufacture	Paper manufacture	Textile industry	Food industry	Forestry, wood processing	Transport companies
Motor oils	≤3,200	≤106,000	≤8,000	≤300	5,000-7,300	4,000	≤800	≤10,000	5,000-180,000
Automot. and industr. gear/transmiss. oils	≤6,000	≤58,000	100-8,000	10,000-14,000	3,200-9,500	150	≤130	≤1,200	
Hydraulic oils	≤6,000	≤122,500	220-15,000	450-1,500	12,000-19,000	10	≤750	≤8,000	≤1,000
Turbine oils	≤25,000				3,500			≤70	
Compressor oils	≤50	500-1,000	≤2,500	4,000-7,000	180		≤1,800	≤200	≤100
Electric insulation oils	100-120,000*		≤2,500	10	≤12,000		≤100		
Metalworking oils	≤150	≤6,000	200-30,000	50-150	200-400				
Lubricating greases	≤2,500	≤40,000	≤2,500	5,000-8,000	1,500-3,500		≤250	≤850	≤3,200
Other/special lubricants	5		≤6,500					1,000-4,000 (2-stroke oils)	

* quantity in use for several years

3.5 Used oil generation estimates

The very users of major categories mentioned in the previous sections of this report – primarily individual users (owners of vehicles), major transport companies, thermal power plants and hydro power plants, major mines, and companies in the metallurgy and metal processing sector, represent the largest generators of used oils. Individual users are in geographical terms the most dispersed category, changing used oil at workshops or – to a lesser extent – at households. Based on the data collected through questionnaires, workshops typically change the following annual quantities of used oil:

Workshops	Quantity of oil changed, [kg/year]
Small	< 500
Medium	500-1,500
Large (mainly authorised by OEM)	1,500-10,000

Major industrial users of oils, i.e. generators of used oils, are shown on the map on next page (the entries do not relate to pre-1992 industry but major consumers of oils in the current circumstances). Taking into account the lubricants losses associated with unintentional and sometimes inevitable leaks from the equipment in which they are used (due to poorly maintained, old or worn equipment parts, such as worn seals, rings or cylinder liners, which can even lead to unintentional burning of a lubricating oil with fuel), as well as evaporative loss of volatile organic compounds (VOC) at elevated temperatures, it is obvious that the amount of collectible used oil in most cases does not equal to original fresh lubricant quantity applied to the equipment. Besides the condition of equipment and skills of manpower responsible for its maintenance, losses are also lubricant type-specific. On one hand there are so called total-loss lubricants, i.e. those which are inevitably and completely lost during application (e.g. two-stroke oils such as chainsaw oils, process oils). On the other hand there are lubricants which can be typically reclaimed to as much as 80% (closed lubrication systems, such as in the case of turbine oils, transformer oils). Having in mind that automotive oils (engine oils, automotive gear oils), hydraulic and compressor oils currently have a combined lubricants market share of approximately 85-95%, i.e. between 18,700 and 21,850 tonnes per year based on the previously suggested consumption rate (22,000 to 23,000 t/y in total), and the experience that in practice, collectible portion of these types of lubricating oils amounts to approximately 50 on average (assumed 45% for engine oils, 75% for automotive gear and hydraulic oils, 50% for compressor oils), the total collectible amount of these dominant used oil categories is estimated at 9,350 to 10,925 tonnes per year. If the same approximate average collection rate (50%) is assumed for all lubricant types, a somewhat higher total of 11,000 to 11,500 tonnes of used oils of all types could be collected annually.

According to numerous sources (e.g. based on 2004 data from Viscolube, one of the largest European regeneration plant operators), indeed approximately 50% of all generated used oils can on average be collected in the EU (in Denmark as much as 65%), of which further 80% on average is effectively collected. Based on other estimates, the effective collection rate is lower, e.g. according to Taylor Nelson Sofres Consulting data from 2001, the 2000 effective

collection rate in the EU was 70-75%, while the remaining 25-30% of the total collectible used oil amount was either improperly burned or disposed of in the environment! According to the same source of information, official data on used oil management in the EU were insufficient and unreliable.



Figure 2 – major industrial used oil generators and public transport systems

3.6 Current practices related to lubricants use

Based on the survey (questionnaires) feedback, direct discussions with selected workshops and industrial users, as well as information obtained from major distributors of lubricants, it is evident that **at least 90% of used automotive lubricants (engine and gear oils) are currently burned as a cheap alternative to regular heating fuel in ordinary boilers.** This practice is particularly widespread among workshops. Most of them either burn used oils in their own furnaces or sell them to other companies for the same purpose. Even waste oil filters are often burned because of residual oil content, and the remaining metal cases are then mostly disposed of with regular municipal waste or in some cases reportedly handed over to companies involved in the scrap recycling sector. There are very few workshops which have arrangements for proper used oil disposal with third parties. Some industrial users also pursue inadequate approach, which sometimes includes hand-over of used oil to their employees for use in private central heating systems or even for wood impregnation.

Further on to this, it is believed that certain, although not major portion of used oil is deliberately discharged onto the ground, into sewage systems or even waterways. This is primarily related to individual, household motor oil change practice. However, **there are indications that even many industrial users of lubricating oils, notably those using water soluble metal working oils (emulsions), have been occasionally discharging used oils directly into waterways.** There are two reasons for this. The first one is the fact that most facilities currently do not own proper wastewater treatment plants. Secondly, there is no used oil collection and disposal system and most companies can not afford disposal of used oils abroad, in particular used metalworking emulsions. However, there is a decreasing tendency in this respect associated with the fact that all companies have to undergo a new environmental permitting system, which will not tolerate lack of environmental consciousness. At the same time there is an increasing tendency of long term storage of used oils. This temporary solution will be practiced by some companies until feasible, proper disposal methods are identified. A few local waste management companies have contracts with some major oil users, such as power companies, for take-over and adequate disposal of used oils in other countries, primarily in hazardous waste incinerators.

Concerning the oil change practices at gas stations, the survey made indicates that only a minor fraction of stations possess the necessary equipment and perform this service. The reasons for this are apparently the fact that there is no nation-wide used oil collection and disposal system, as well as the prevailing habits of individual car owners, who prefer to change oil either at workshops or by themselves.

No significant storage related issues have been identified except for the fact that most companies do not store oils of different categories separately. Therefore, often small amounts of transformer oils mixed with other, less hazardous oils can yield large quantities of very hazardous mixture. Several other notable improper practices of used oil handling detected also deserve attention. Thus, for instance, some major industrial companies including mines, or railroad companies, sometimes apply used oils as a slide-way lubricant or flushing fluid during equipment maintenance or repair works (in both cases resulting in

total loss, i.e. dissipation of the lubricant in the environment), lubricant for old machinery or even for railroad switches.

Concerning transformer oils as one of potentially most hazardous oil categories, it has been established that large industrial facilities use between 1 and 15 tonnes of transformer oils per year (e.g. local paper mill reportedly uses 12 t/y), while major quantities are used by hydroelectric power plants (reportedly ranging typically between 0.1 and 120 t/y in permanent use over a period of several years, whereby only a small average fraction is effectively discarded on an annual basis), thermal power plants (reportedly between 1 and 40 t/y, of which between 0.5 and 30 t/y are reportedly collected as used oil and burned in the same facilities at temperatures of around 1500°C), and other units of the three major national power companies. A good indication of quantities used in power transmission units on a wider territory is the figure of 768 t reportedly corresponding to the total quantity of transformer oils in permanent use within Herzegovina-Neretva Canton. Despite the fact that these companies are among the most environmentally conscientious ones, there is often insufficient understanding of possible impacts of transformer oils. Very few companies are actually aware of actual PCB content in the oils they use. Although most companies may have been recently procuring only PCB-free oils, due to periodical top-up of old transformers possibly containing residues of obsolete, PCB containing oils, the resulting mixtures may have a PCB content rendering them still harmful. Once finally discarded, such mixtures are often locally burned in improper facilities or sometimes used as an impregnation agent, either mixed with other waste oils or alone.

Some typical forest companies which were considered use 1 to 4 tonnes of chainsaw and other two-stroke oils per year. These total-loss lubricants, or the products of their burning, are thus entirely either released in the air or end up on forest soil.

Many industrial users of lubricants/oils admitted that substantial improvements in used oil collection rate could be achieved, demonstrating obvious willingness to do so. Most companies and workshops pointed out at the necessity to establish a used oil collection and disposal system, some however still expecting to get paid for the used oil handed over (primarily workshops). Several workshops stressed the issue of non-registered car repair and oil change activities, believed to be associated with deliberate, ruthless discharge of used oil into environment. In addition to this, some major users expressed their strong interest in replacing conventional total loss lubricants with new, biodegradable types to the extent possible.

3.7 Assessment of environmental impacts and risks related to lubricants use

Lubricating oils, including such oils whose primary purpose is other than lubrication (e.g. electric insulation), and lubricating greases contain a *base oil component* and *additives*, used to tailor the lubricants for different applications. Lubricating greases also contain a further compound referred to as the *thickener*, typically a metallic (calcium, aluminium) soap.

Most commonly used base oils are *mineral* base oils of paraffinic or naphthenic type, whose original properties are sometimes additionally improved in the processes of catalytic treatment with hydrogen (*hydrotreatment*), while in some cases *synthetic* base oils are also used, primarily synthetic esters, poly- α -olefins, polyglycols, and polyisobutenes, but sometimes also biodegradable *vegetable* base oils. All these types of oils are mostly built of carbon (C), hydrogen (H), and to a lesser extent heteroelements, primarily oxygen (O).

Additives are used in order to induce properties which a base oil originally lacks, but also to enhance existing desired or reduce/eliminate undesired base oil properties. The usual lubricant additives are the so called detergent-dispersant-inhibitor packages, combining detergent/dispersant properties and oxidation/corrosion inhibition, anti wear additives, viscosity index improvers, pour point depressants, and additives inducing extreme pressure (EP) properties. They are based on various organic or organometallic compounds, mostly:

- zincdialkyldithiophosphates
- sulphonates, phenates and salicylates (typically of calcium or magnesium)
- olefin copolymers
- polymethacrylates
- styrene-butadiene copolymers
- styrene-isoprene copolymers
- succinimides
- borates

Of all lubricants, automotive, i.e. engine and gear/transmission oils, hydraulic oils, turbine and compressor oils have by far the highest consumption rate. Taking the base oil component and additives into account, besides hydrocarbons built of organic carbon and hydrogen, new (unused) lubricants contain "hetero" elements, primarily oxygen (O), sulphur (S), nitrogen (N), calcium (Ca), zinc (Zn), phosphorus, boron (B) and chlorine (Cl) in varying concentrations, while past formulations, which sometimes contained very harmful elements such as lead (Pb) and barium (Ba), have been abandoned over the years. While base oils sometimes used to contain very harmful polycyclic aromatic hydrocarbons (PAH) in the past, most lubricant manufacturers nowadays use only base oils not containing these substances in significant amounts. As a matter of fact, even though considered slightly to moderately skin irritating, vast majority of contemporary new lubricants actually do not pose significant hazard if handled and applied properly.

During the recent years an increasing number of lubricant users world-wide demanded lubricants compatible with the environment, in particular in the case of applications where a lubricant contacts water, soil or living organisms. Such lubricants can be based on vegetable or synthetic base oils. In this sense, rapeseed oil is most widely used because of its favourable ratio of oxidation stability, price and availability. Vegetable base oils are biodegradable and do not have toxic properties, while their sources are renewable. However, besides numerous good properties, oils of this kind have poor low temperature properties (pour point), oxidation and hydrolytic stability relative to conventional oils. Even though these deficiencies can be compensated by the use of additives, or even by genetic modifications, they do limit the application of vegetable oils to formulations of lubricants

for agricultural machinery, food industry equipment, nautical two-stroke engines, chainsaws used in forestry, and some hydraulic systems. Synthetic base oils featuring biodegradability include some synthetic esters and polyethylene glycols. According to a widely accepted industrial standard, lubricants whose biological degradation in the course of a 21-hour test exceed 80% are referred to as readily (rapidly) biodegradable. Contrary to these, the conventional mineral base lubricants reach a 90% biodegradation only after a period of one year, whereby their complete degradation sometimes takes much longer. The biodegradation process itself, accelerated in wet and warm conditions, is based on the activity of microorganisms yielding CO₂ and water as final products. It should be kept in mind that the speed of biological degradation of a substance does not necessarily reflect its harmfulness to flora or fauna. Thus a substance may despite a fast degradation cause significant environmental impact, though within a shorter period of time.

The term *used oil* designates the waste product resulting from applications of lubricating oil, whose original characteristics have changed during the use to the extent rendering it unsuitable for further use in the applications it was originally intended for. In terms of chemical composition, along with original ingredients from base oil component and additives, used oil also contains products of oxidation and degradation of the base oil and additives, as well as contaminants induced during the application (e.g. motor oils are often contaminated with traces of fuel, products of fuel combustion and coolant). Major pollutants usually present in used oil are various organic acids, polymer resins, metal wear particles (lead, chromium, nickel, cadmium, aluminium, etc.) polycyclic aromatic hydrocarbons (PAH), mercaptans, various halogenated compounds, soot, sand, dust, and microbes. In addition to these, but less frequently, used oil can also contain extremely harmful polychlorinated biphenyls (PCB), polychlorinated terphenyls (PCT) or polybrominated biphenyls (PBB) - all often commonly designated as PCB compounds. However, if used oil containing these substances is mixed with a main stream type used oil, the resulting oil, whose quantities are then substantial, is also rendered harmful.

In terms of hazardous properties, used oils are considered:

- irritant, carcinogenic
- one of potentially most hazardous categories of pollutants with far more severe impact on environment compared to that of new lubricating oils

Regardless of the fact that the content of harmful substances or pollutants in some new (unused) oils, and rather rarely in some used oils may be insignificant, for instance straight mineral oils used in some simple applications, in the EU List of Wastes (Commission Decisions 2001/118/EC, 2001/119/EC and 2001/573/EC), all "oil wastes" except edible oils are marked hazardous. This is associated with the intrinsic properties of base oils, for example their flammability.

Used oils can have numerous substantial, short and long term environmental impacts, if handled or disposed of in an uncontrolled manner. Thus for instance, **water containing only 1-2 mg lubricating oil per litre is unsuitable for drinking and dangerous**. Oil prevents ingress of oxygen in water, thus diminishing living conditions for numerous species.

According to some considerations, 1 tonne of used oil discharged into water courses results in pollution equivalent to that caused by a daily discharge of wastewater from a town with a population of 40,000. Pollution of soil and water courses with used oils affects entire flora and fauna. Once dumped, their natural degradation can sometimes take up to a few years. Even though the hydrocarbon components of oils might readily degrade through biological processes within a natural environment, the degradation rate depends on numerous factors such as temperature, media that the oil is in contact with, pH of the environment, other physical and chemical parameters, as well as the very amount of oil released through/into a given media. However, it is very important to note that even though the main hydrocarbon components of an oil might completely biodegrade, a number of contaminants such as heavy metals permanently remain in the soil or end up in surface or groundwater. Improper burning of used oils often results in further significant air emissions of pollutants, which may then be inhaled by humans or animals, or end up in soil or waterways once absorbed and carried by raindrops. Finally, once in soil or waterways, harmful substances enter food chains and end up in plants, animals and ultimately humans.

Used oils are often improperly disposed of through wastewater drains, intentional spills or burning. Releases with wastewater lead into the septic tanks, open water bodies, or in most favourable conditions to a wastewater treatment plant. The latter is not designed for loads that contain high concentrations of used oils, which therefore may affect the entire treatment process. If there is no wastewater treatment plant, as in most cases in the current BiH circumstances, the oils enter surface waters, further endangering entire aquatic life and coastal biodiversity. In many cases, the surface water is used for drinking, leisure or irrigation thus further endangering human life. In case of oil spills or disposal on land, the soil becomes contaminated, and the contaminants mostly seep further into groundwater. Groundwater, which is essential for recharges of surface water bodies or for water supply uses, is extremely difficult and expensive to remediate. In addition, mobility of contaminants through ground- and surface water is rapidly increased, once the contaminant leaves the soil and enters a water body. Once the oil enters a water body, the results vary depending on the water and air temperature, wind and wave conditions. In all cases however, the oil will easily spread and may even emulsify with water forming a heavy, oily and sticky emulsion which additionally picks up floating debris and other waste. Oil spilled on the ground tends to penetrate top soil rapidly, while heavier oils slowly contaminate soil, as penetration is made difficult by the higher viscosity. Both the viscosity of oily wastes and the characteristics of the ground determine the distance over which the contamination is going to spread. The oil also enters vegetation, either contaminating or entirely killing it.

Concerning uncontrolled or improper burning of used oils, it should be stressed that their thermal degradation at temperatures below 1100°C can lead to the formation of very poisonous gaseous compounds such as dioxins and furans. Besides this, emission released by the practices of oil burning include carbon monoxide (CO), sulphur oxides (SO_x), nitrogen oxides (NO_x), particulate matter (PM), metals, hydrogen chloride, global warming gases (carbon dioxide - CO₂ and methane - CH₄), and other organic compounds, all harmful or toxic to the environment.

Considering the lubricants consumption rate and the percentage of used lubricants that can be collected, as discussed in the preceding chapters of this report, it can be assumed that approximately between 9,350 and 10,925 tonnes of mainstream lubricants are inevitably lost on an annual basis (50 % of all automotive oils, hydraulic and compressor oils, which have a combined share of 85% to 95% in all lubricants currently consumed). In addition to this, between 220 and 2,760 tonnes of other lubricating oils (mostly turbine, metal working, industrial gear and transformer oils) are or can be collected, considering that these "other" oils represent estimated 5-15% of all lubricating oils (i.e. between 1,100 and 3,450 t/y), and that rate of possible collection varies between 20% and 80% (based on empirical data, slide way oils 20%, metal working oils 50%, transformer and turbine oils 80%). This means that approximately 700 to 900 (precisely 690 to 880 t/y based on these assumptions) tonnes of the latter lubricating oils are inevitably lost. Thus total inevitable losses can be estimated at some 10,000 to 12,000 t/y (precisely 10,040 to 11,805 t/y based on the same assumptions³). As explained in previous chapters, these are attributed to evaporative loss (VOC), worn or improperly maintained equipment parts resulting in unintentional leaks and spills. This entire amount ends up in soil, waterways or atmosphere (from which it is further inhaled by animals and humans or ultimately also washed down to soil and waterways). **Part of this amount undergoes natural degradation, while a practically unidentifiable portion ends up in plants, animals and humans causing acute or cumulative and chronic health problems.** Unfortunately, readily biodegradable lubricants are currently used only in negligible quantities in BiH.

Considering further that even those oils individually collected - in total estimated at maximum 10,000 t/y - are to largest part intentionally burned in boilers of domestic heating systems, as well as in industrial furnaces under improper conditions (as previously explained, as much as 90% or even more in the case of some types of used oils), it can be concluded that thousands of tonnes of organic compounds and tens of tonnes of metals are released into the atmosphere throughout the country each year.

In addition to this, significant yet for the time being not precisely identifiable amounts of metalworking oils/emulsions are still discharged into sewage systems or directly into waterways (estimated to be in the range of a few hundred tonnes a year in the whole country). Given the fact that Bosnia and Herzegovina is criss-crossed with a vast number of surface and ground watercourses, and paying once more attention to the fact that for instance **water containing only 1-2 mg lubricating oil per litre is unsuitable for drinking and dangerous**, it is apparent that risks of short and long term impacts on entire living world are tremendous.

The summary table on the following page shows the overall quantitative flow of lubricants as considered and explained in this and the preceding sections of the report:

³ in the case of a simplified approach assuming that the average possible collection rate for all oils is 50%, somewhat different results are obtained, i.e., approximately 11,000-11,500 tonnes per year

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Lubricants/oils sales [t/y]	Consumption [t/y]	Collectible used lubricants/oils [t/y]	Currently individually collected, estimate[t/y]	Direct losses into environment [t/y]
26,000	22,000-23,000	11,000-11,500	≤ 10,000 <i>of which 90% improperly burned</i>	12,000-13,000 (leaks, evaporation losses, etc.)

Paying further attention to the fact that PCB containing used oils⁴ are sometimes burned in boilers of central heating systems (with the additional risk of formation of highly toxic polychlorinated dibenzofurans – PCDF, shortly furans), whether alone or mixed with other types of oils, as well as that there are occasional leaks from transformers, obviously devastating consequences are often not even comprehended. **Once in animal or human tissue, PCB as one of persistent organic pollutants (POP) causes disastrous effects. Animals or humans become less fertile, less immune and develop higher rates of cancer. It is also believed that PCBs also act as endocrine disrupters by blocking hormone messages.**

According to a recent survey of selected locations made by several institutions, coordinated by RECETOX-TOCOEN & Associates, Czech Republic⁵, around 500 electric transformer stations and capacitors were damaged or destroyed during the 1992-1995 war in BiH, still their precise locations are mostly not known and there are no records of the characteristics of the oils originally used in this equipment. Largely varying figures on total PCB concentration in soil were obtained, ranging from 50 to over 100,000,000 ng/g or 0.050 to 100,000 ppm. Concentrations established in most samples were below 10,000 ng/g. However, particularly high levels of total PCBs were detected in some soil samples from the following locations/areas:

Area	Highest Total PCBs Concentration Detected, ng/g
Tuzla	96,178,000
Tesanj (Jelah)	178,954,000
Banja Luka	400,000

⁴ PCB based transformer oils have been internationally marketed under various trade names including: Apirolio (t,c), Areclor (t), Aroclor, Arubren, Asbestol (t,c), Askarel, Bakola 131 (t,c), Biclор (c), Disconon (c), Chlorinated Biphenyl, Chlorinated Diphenyl, Chlorinol, Chlorextol(t), Chlorobiphenyl, Clophen (t,c), Chlorphen (t), Delor, Diaclor(t,c), Dialor (c), Dk (t,c), Duconol (c), Dykanol (t,c), EEC-18, Elemex (t,c), Eucarel, Fenchlor (t,c), Hivar (c), Hydol (t,c), Inclor, Interteen (t,c), Kanechlor (t,c), Kennechlor, Montar, Nopolin, No-Flamol (t,c), PCB, Pyroclor (t), Phenoclor (t,c), Polychlorinated biphenyl, Polychlorobiphenyl, Pydraul, Pyralene (t,c), Pyranol (t,c), Saf-T-Kuhl (t,c), Santotherm FR, Santovac 1 and 2, Siclonyl (c), Solvol (t,c), Sovol, Therminol FR

⁵ Assessment of the selected POPs in the atmosphere and water ecosystems from the waste materials generated by warfare in former Yugoslavia, 2005

In addition to this, exceptionally high PCB concentrations were found in river sediments of some watercourses in Sarajevo area (Miljacka and Zujevina Rivers, with figures of 929 and 2,691 ng/g respectively), Bihac area (fishpond Klokot 2, with a 361 ng/g, though the figure of PCB content determined in the tissue of 6 fish were from 12 to 73 ng/g), Tuzla area (e.g. Gostilja and Spreca Rivers, with figures of 377 and 483 ng/g respectively). While the soil pollution with PCBs in most of the considered cases can be attributed to leaks from damaged electric equipment, primarily transformers or capacitors, reliable explanation of the PCB presence in the watercourses is not feasible without further in-depth studies, because various PCB transport pathways were possible. Such studies would have to address hydro-geological characteristics of each micro-location, filtration and hydraulics of ground and surface water movement, characteristics of sediment cover and bedrock, etc., supported by further laboratory testing of surface water, as well as soil and water samples taken from a series of boreholes.

There are no conclusive, site-specific data on recent health situation in the affected areas, which would allow for establishment of a correlation between the presence of PCBs in soil and watercourses and the occurrence of diseases possibly caused by PCBs. Relative increase in the number of malign and other diseases has been observed in the Tuzla and Tesanj regions in the recent years, however, it is impossible to establish the cause-and-effect relationship between the particular diseases and the individual causes or contributing factors such as the wartime stress, post-war mental disorders due to poor socioeconomic situation, or PCBs presence in soil and water.

In Bosnia and Herzegovina currently there are no monitoring programmes related to oils /lubricants. Currently the only type of monitoring that is performed once a year for major industrial facilities is the check up of general wastewater pollution load expressed as Population Equivalents (PE), according to which individual facilities are charged (polluter pays principle). However, this kind of monitoring is not relevant to used oil management practices because:

- a) PE figures do not reflect pollution related specifically to used oil releases, but the overall pollution from individual facilities, and
- b) PE pollution load is measured once a year and obviously individual companies would not release any excessive hazardous materials (whether used oils or any other pollutants except for regular, continuous emissions from the facilities) with wastewater during the annual check up, but either well ahead or after it - which can therefore not be tracked for the time being.

Finally, the possible cumulative effects of large quantities of used oil related pollutants that have been released over the last decades, worsening year after year with newly released quantities, should be kept in mind. With the exception of cases where large amounts of oils were discharged in relatively small areas during relatively short periods of time, in many cases the costs of remediation are already or will be so high that no action will be affordable.

3.8 Analysis of available used oil treatment facilities

3.8.1 General treatment methods

Common used oil treatment or disposal methods include primarily reprocessing, regeneration, combustion for energy recovery purposes and incineration in hazardous waste incinerators. The term *reprocessing* means removing insoluble contaminants and oxidation products from used oil by means of heating and simple chemical or mechanical operations such as settling, filtering, dehydrating or centrifuging. In some cases, primarily where the composition and source of a used oil (e.g. hydraulic oil) are known and reliable, upon mechanical removal of pollutants, the resulting oil can again be blended with additives and returned to original application, or used for other purposes.

The term *regeneration* or *re-refining* designates the production of base oils from used oils by means of more complex processes which remove contaminants, oxidation and degradation products and additives. These processes include pre-distillation, treatment with acids, solvent extraction, treatment with activated clay, and treatment with hydrogen (commonly referred to as hydrotreatment). Regeneration is widely applied to achieve the highest degree of contaminant removal, resulting in the recovery of base oil fraction with maximum commercial value. Contaminants removed become the remaining waste streams which then must be disposed of in an environmentally sound way. So far the following major regeneration methods have been in common use:

- Acid/clay treatment
- Vacuum distillation/clay treatment
- Vacuum distillation / catalytic hydrotreatment (sometimes combined with solvent extraction and clay treatment)

Each of these alternatives has its advantages and disadvantages, which must be evaluated with respect to given situation when choosing the most appropriate method:

Evaluation Criterion	Acid/clay process	Vacuum distillation/ clay process	Vacuum distillation/ catalytic hydrotreatment
Relative base oil yield	low	medium	medium
Energy requirement	low	low	high
Use of hazardous chemicals	sulphuric acid	caustic	caustic
Resulting waste stream	acidic sludge/tar oily clay	caustic sludge, oily clay	caustic sludge

The product of used oil treatment can be used either as a base oil comparable to virgin base oil, for manufacturing of new lubricants, or as a fuel of appropriate cleanliness.

Regeneration (re-refining) is a preferred method of used oil disposal from the environmental protection point of view. However, its viability is strongly dependent on the scale and economics of the operation. Usually thousands of tonnes of used oil are required on an annual basis to sustain such an operation.

The second preferred option after regeneration is used oil energy recovery, i.e. controlled burning of used oil as a fuel, in particular in large industrial boilers, e.g. in cement kilns. It should be stressed that thermal degradation of used oil at temperatures below 1100°C can lead to the formation of poisonous gaseous compounds such as dioxins and furans. Prior analysis of used oil and proper incineration conditions (temperature - at least 1200°C, retention time - at least 2 seconds, and turbulence) are therefore essential to ensure compliance with the Council Directive 94/67/EC on the Incineration of Hazardous Waste and Directive 2000/76/EC on the Incineration of Waste.

Used lubricants containing synthetic base oils, commonly referred to as *synthetics*, are rarely regenerated because this implies the application of special methods of treatment with hydrogen. Having also in mind the fact that their environmental impact is not completely examined, incineration of synthetics is more usual method of disposal.

The following categorisation of used oils with respect to their composition and disposal methods is common in Europe:

- Category I - used motor, hydraulic, transmission, turbine and compressor *mineral base* lubricating oils with a total halogen content of maximum 2g/kg and total PCB/PCT content of maximum 20mg/kg (ppm), suitable for regeneration
- Category II - used oils with a halogen and PCB/PCT content higher than in Category I oils, which can be either regenerated, burned as fuel or incinerated in hazardous waste incinerators, depending on the technology applied and subject to clearance by the authorised operators of such facilities. Regeneration of such oils is only acceptable if the regeneration process used ensures either complete destruction of PCB/PCTs or a maximum PCB/PCT content in the resulting regenerated oils of 50 ppm. If an oil of this category is intended for burning as a fuel, its PCB/PCT content must not exceed 50 ppm.
- Category III - used lubricants of unknown origin or composition, used oils from metal processing, transformer oils with a PCB content greater than 50 mg/kg (ppm), which must be disposed of in adequate hazardous waste incinerators, allowing complete elimination of toxic exhaust fumes, full control of incineration temperature, retention time and turbulence.

In relation to this, it is crucial that used lubricants of different categories are not mixed, whereas operators of disposal facilities have to set specifications for basic physico-chemical parameters which incoming used oils must meet.

Finally, taking into account experience gained in other countries, it should be borne in mind that neither regeneration nor centralised burning/incineration as disposal methods are economically self-sustainable considering alone the associated costs of used oil collection. This means that introduction and efficient functioning of an environmentally sound used oil management system necessitates support by means of subsidies or incentives.

3.8.2 Current disposal of used oils in Europe

The table on the following page illustrates the approach to disposal of used oils in Western Europe during the recent years, according to information from CONCAWE (Conservation of Clean Air and Water in Europe - the oil companies' European association for environment, health and safety in refining and distribution):

Disposal method	% *
Direct burning	32
Reprocessing into industrial fuels	25
Regeneration	32
Reprocessing for reuse of industrial lubricating oils	11

**of collected used oils*

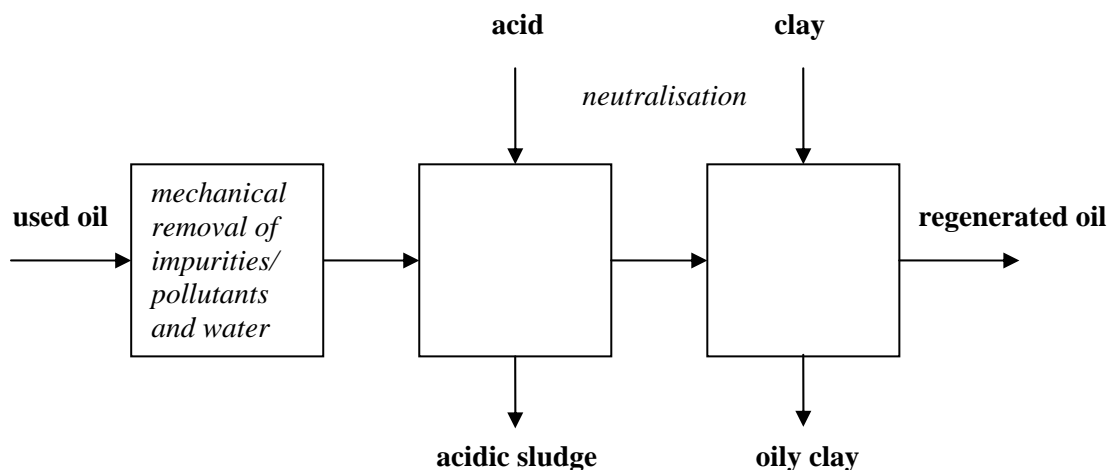
Based on these figures, obviously more than 50% of the collected used oils in Europe (EU) is burned for energy recovery. While in some countries (Sweden, Germany, Hungary, Czech Republic) this represents the main used oil disposal method, in others (Italy, Austria, Belgium) it is just one of main methods. Some European countries subsidise regeneration activities with a total of € 5 to 30 million per year (according to 2003 data from Oakdene Hollins Ltd./DEFRA, in Italy the subsidies amount to some € 31 million per year).

If only used oils subject to burning are considered, it is indicative that in 1994 around 300,000 tonnes of used oils were disposed of in Western European cement kilns, which represented approximately 40% of the total burned quantity. At the time, further increase to some 400,000 tonnes per year was expected. Fuel and energy costs in cement industry are substantial, which alone motivates substitution of conventional fuels, primarily coal and

coke, with alternative fuels to the extent possible. Thus some cement manufacturers reportedly managed to replace more than 50% of their conventional fuels with alternative ones. Besides burning in cement kilns, around 7% of directly burned used oils were disposed of in hazardous waste incinerators, while the rest was either burned in the heating systems of workshops and other types of boilers, mixed with conventional fuel oil (all data: CONCAWE, 1996, based on figures for Denmark, Finland, France, Italy, Netherlands, Germany, Spain and Great Britain).

3.8.3 Disposal facilities in BiH

Besides vacuum distillation, deparaffination and new lubricants blending facilities, Oil Refinery Modrica also operates a used oil regeneration (re-refining) plant with a maximum capacity of 10,000 tonnes per year. Up to 1992 this plant used to regenerate between 3,000 and 8,000 tonnes of used oil on an annual basis, which was supported by a special tax exemption arrangement (for instance, tax rate for sales of motor oils was 24% at the time). This company also owns a tank allowing storage of some 4,000 to 5,000 tonnes of used oil. However, in absence of any incentives and used oil collection system, this facility is currently processing only symbolic amounts, i.e. several hundred tonnes of used oils a year (reportedly 1,064 tonnes in total during the period 1999-2005, i.e. 295 tonnes in 1999 and only 20 tonnes in 2005). This recent processing involved only primary mechanical treatment, followed by burning of in this way partially cleared oil in Refinery's boiler, i.e. real regeneration is not taking place for the time being. The original regeneration technology employed at this facility was based on the use of sulphuric acid in combination with clay and it yielded substantial quantities of acidic sludge containing heavy aromatic compounds and oily clay as by-products, which can be illustrated by the following simplified scheme:



The efficiency of this process was around 70%, meaning that as much as 30% of the incoming material ended up as a by-product, precisely hazardous waste stream. Ultimate

disposal of these residual hazardous waste materials is of great concern. They had been disposed of on unprotected ground for years. This eventually became a huge environmental problem, therefore finding an ultimate solution for the already accumulated (stored) residue is seen as primary priority for this facility. The by-products of this regeneration process, performed by the Oil Refinery Modrica in the past, caused serious, cumulative pollution of the immediate surrounding of the disposal site, which possibly also had a negative impact on the water quality of the neighbouring Bosna River. Photographs of the past disposal site used for this waste material are shown on page 42. At the time this facility was established, it was in the interest of the whole country to process as much as possible used oil in it, as well as in other domestic regeneration facilities within the former Yugoslavia. Unfortunately, just like elsewhere in the world, the weight of the negative environmental impacts associated with the final disposal of waste acidic sludge was comprehended only later (however, one can still argue that even this kind of used oil regeneration was better than total absence of disposal on a national scale).

Despite the fact that this type of regeneration process is still widely applied world-wide (because it was the first commercial regeneration technology of relatively low investment cost that emerged), many facilities of this type - particularly in the U.S.A. - were shut down during the last twenty years, both for economic and environmental reasons.

Replacement or an upgrade of the regeneration plant itself in terms of technology used could not be justified without large and continuous supplies of waste oil (several thousand tonnes per year), which is unrealistic without a comprehensive collection system in place. According to data from CONCAWE, alone investment cost for regeneration facilities is in the range of order of USD 30-65 million. In fact, any new technology applied would have to be suitable for processing of synthetic lubricants with a much higher additives content, whose market share is expected to rise in the future. In the context of used oil regeneration, relatively limited marketability of the resulting products should be taken into account, both due to specific performance requirements for certain applications and general public perception of regenerated oils versus virgin base oils.

Another potential option for recycling of used oils is the controlled burning as a fuel in large industrial boilers, particularly in cement kilns. These allow burning at temperatures according to the provisions of the EC Directive on Incineration of Hazardous Waste (94/67/EC) and Directive on the Incineration of Waste (2000/76/EC). The typical burning conditions in cement kilns ensure flue gas temperatures of around 1,500 °C for at least 3 seconds. Thanks to these very favourable conditions, dioxins are formed only in minor quantities. The alcalic properties of the raw materials used in cement kilns contribute to binding of sulphur and nitrogen oxides, as well as hydrochloride, thus reducing their air emissions. Even hazardous contaminants such as polycyclic aromatic hydrocarbons (PAH) and heavy metals become either destroyed during the process or built in the structure of the product. Alone the replacement of coal with used oil as a fuel reduces the total CO₂ air emissions due to a relatively lower C:H ratio in used oils. Because of all this, cement kilns represent ideal facilities for used oil disposal with energy recovery. Two facilities of this kind are available in Bosnia and Herzegovina, both of which are already using enhanced exhaust gas filtration systems:

1. Cement Factory Lukavac, a member of Ashamer Group, headquartered in Austria. This company is planning a major expansion. The new line, expected to be commissioned by the end of 2008, will be capable of using a number of alternative fuels, including scrap tyres and used oils. It will include a pre-calcliner, which is planned to use alternative fuel, with a reported possible consumption rate of up to 200 tonnes per day. The CFL management also plans to procure tanks allowing them to store 2,000-3,000 tonnes of used oil at a time.

2. Cement Factory Kakanj, a member of Heidelberg Cement Group. This company also intends to start using alternative fuels in the near future. Initial focus is primarily on the use of scrap tyres, but other types of waste such as used oil will be addressed during following stages. This facility will also have to install additional equipment (feeding equipment, storage facilities, further flue gas control) in due course.

The two cement factories represent the most likely long term solution for disposal of used oils in BiH. However, having in mind serious prejudices and resistance of local population to any new waste management projects, it is essential that public awareness campaigns be conducted as soon as possible. Both facilities will also have to obtain environmental permits allowing them to use alternative fuels.

Despite the fact that the temperature conditions for burning of oils could be satisfactory, the four local thermal power plants have poor flue gas treatment (only particulates are removed in electro-filters) and are, considering also the costs of necessary installation of additional scrubbers, deemed a less viable option for proper final disposal of used oils. Due to a huge consumption of coal as primary fuel in the facilities of this kind (reportedly between 100-200 tonnes per hour), the portion which could theoretically be replaced with locally available alternative fuels such as used oils is negligible, and therefore these companies are not as interested in such options as the cement manufacturers.

Another possibility to be considered is an investment in a facility for simple primary thermomechanical treatment of used oils to produce alternative fuel oil, for instance as practiced in Sweden. Based on rough estimates, such investment (for oil storage tanks, process equipment, civil works) is in the range of order of € 600,000 to 700,000. Additional issues that should be examined in this context during a feasibility study certainly include the possible market price for such alternative fuel in circumstances with and without subsidies, as well as current prices of standard fuel oil.

An idea to erect a facility for incineration of municipal and other waste using so called *plasma* technology has also been addressed recently, however, no serious feasibility study for such a project has been presented yet. Based on experience from other countries, whether related to the use of such facilities or common waste incinerators, apparently it would be very difficult to achieve sustainable operation in our circumstances, or even break even because investment costs for these kinds of facilities are rarely below USD 100 million.

Concerning the facilities for disposal of used oils in the neighbouring countries, it should be mentioned that in the past Oil Refinery Modrica examined the possibility to cooperate with the Used Oil Refinery Belgrade (Krnjaca near Belgrade), using a more advanced regeneration technology (extraction with propane, hydrofinishing and treatment with clay) with a capacity of 25,000 t/y. In this sense, there was an idea to establish cooperation in which primary treatment would be conducted at Modrica plant, followed by secondary treatment at Belgrade plant. However, this idea was not further pursued due to legal restrictions of used oil imports to Serbia, but also because both companies' experts deemed that even with such cooperation in place, the used oil quantities currently available in both countries would not be sufficient for economically sustainable functioning.

In Croatia, there is a regeneration plant of the same type like the one in Modrica, however, used oils in this country are currently disposed of by burning in cement kilns and other industrial boilers. There is also a ban on imports of hazardous wastes to Croatia, including used (waste) lubricating oils. A similar, pre-1991 regeneration facility is available in Slovenia as well, still, used oils in this country are also burned by cement industry. During the last several years there were sporadic exports of used oils from BiH to Austria and Germany (e.g. exports of transformer oils containing PCBs for incineration in adequate plants). German operators of regeneration facilities (Baufeld-Oel - Duisburg and Troeglit plants, Dollbergen Refinery) have recently expressed their interest to source used oils from BiH. Depending on the used oil quality, prices offered during 2005 were in the range of € 50 to 90 per tonne of used oil. Even in this case, the cost of local collection and transport of used oils is critical and can be acceptable only provided that substantial quantities are made available, i.e. with an efficient collection system in place. Based on information from several sources, there is a very strong subsidizing system in Italy for locally collected used oils, making any foreign used oils imported to Italy non-competitive.

In view of all this, as well as the expectations that trans-boundary movement of hazardous waste will be decreasingly lucrative (in particular if the Basel Protocol on Liability and Compensations is adopted), it is deemed best to focus further considerations on used oil disposal options inside BiH. Whatever final solution selected, the critical issue in the establishment of a used oil management system will be the development and establishment of an efficient and sustainable collection system. To achieve this, the following steps will need to be taken within future projects building on the findings of this Background Analysis:

1. Development and implementation of necessary legal basis, primarily secondary legislation (implementing regulations) on
 - *lubricant manufacturers/importers responsibility* according to the Law on Waste Management requirements, considering experience and successful models from other European countries, in particular the models in which producers/importers of oils form associations to meet the set legal minimum requirements on recovery (collection) and final disposal of the waste oils resulting from the products originally placed on the market, with financing from a part of the retail/market price of the products; or the so called Product

Charges models, in which recovery and disposal of waste oils is financed directly by the state/Entity institutions, e.g. with dedicated environmental funds drawing money from product charges

- *source separation of used oils* according to oil category or type, aimed at facilitating proper, environmentally friendly disposal
- *subsidies/incentives and financial support for collection and disposal of used oils* (use of Environmental Funds or tax incentives), taking into account various models applied in other countries

This step is crucial since no efficient used oil collection system or management system in general can be established without properly designed legal basis. During the development of secondary legislation, all relevant EU directives, as well as specific legislation successfully in force in other countries should be analysed. In addition to this, any deficiencies related to legislation enforcement should be identified along with ways to overcome them.

2. Preparation and distribution of instructions/guidelines on environmentally sound storage, use and handling of new and used (waste) lubricants. These should be provided to all major industrial users of oils and car workshops. Where deemed necessary, additional instructions or training may be provided to critical individual used oil generators.
3. Establishment of efficient reporting, monitoring and inspection system (including mechanisms to monitor the use of lubricants, disposal of used lubricants, etc.), with clearly defined institutional arrangements and responsibilities.
4. Organisation and provision of necessary training to key institutional personnel, in particular related to:
 - lubricants basics,
 - application specifics,
 - associated negative environmental impacts,
 - handling of oils of unknown characteristics
 - response in accidental situations (oil spills, fire)
 - detection of false reporting by lubricants users

The target personnel should include environmental inspection teams, as well as relevant staff of Entity and cantonal ministries of environment.

5. Implementation of well designed public awareness campaigns, which should acquaint broader public with the negative impacts of oils, the reasons of establishment of a nation-wide environmentally sound management system, as well as with specific requirements related to household storage, use or change of oils. Such

campaigns may include distribution of leaflets or flyers with oils sold through gas stations or other major retail outlets, or radio/ TV clips.

Besides some progress made in the adoption of legislation, these steps have not been taken in Bosnia and Herzegovina so far, and it is therefore required to commence activities in due course as soon as possible. Preferrably, the suggested steps should be taken simultaneously, however, considering the limitations in investment possibilities and insitutional capacity, the above chronological order should be acceptable alternative approach.



Former sludge disposal sites near Modrica

4. ESTABLISHMENT OF DATABASE/INVENTORIES

A relational database based on a Microsoft® application has been developed within this project and handed over in electronic form to the Federal Ministry of Physical Planning and Environment, along with this report. The database contains key data entry sections (by subject according to response to the questionnaires) and several reporting, i.e. results listing options (by subject, by lubricant/oil category and type, by territory, by used oil quantities, by year). All information gathered with the questionnaires within this project were entered in the database. The initial inventories/database (for FBiH, RS and BiH as a whole, and according to different categories - distributors, manufacturers, users, workshops) will later on need to be updated by the Ministries in charge. Future action in due course may prove efficient engaging environmental inspectors at local administrative levels (cantons, municipalities), who would request data by directly approaching each individual workshop and company on their territory. The Ministries will also be able to use the new environmental permitting and waste management permitting system, including the upcoming *Regulation on obligatory annual reporting on compliance with the conditions set by the waste management permit*, to stipulate provision of necessary information from all major companies. The questionnaires developed within this project can thereby be used as standard templates.

5. ANNEXES

ANNEX 1 - SAMPLE QUESTIONNAIRES

**BOSNA I HERCEGOVINA
FEDERACIJA BOSNE I HERCEGOVINE
FEDERALNO MINISTARSTVO PROSTORNOG
UREĐENJA I OKOLIŠA
FEDERALNO MINISTARSTVO PROSTORNOG
UREĐENJA I OKOLICE**



**BOSNIA AND HERZEGOVINA
FEDERATION OF BOSNIA AND HERZEGOVINA
FEDERAL MINISTRY OF PHYSICAL PLANNING
AND ENVIRONMENT**



**United Nations Environment Programme
Coordinating Unit for the Mediterranean Action Plan**



**SLOVAK ENVIRONMENTAL AGENCY
Basel Convention Regional Centre, Bratislava**

QUESTIONNAIRE G1

on lubricants - please fill in the applicable section

TRANSLATION

- MANUFACTURERS, IMPORTERS, DISTRIBUTORS AND EXPORTERS OF LUBRICANTS -**

A MANUFACTURERS OF LUBRICANTS/OILS

A.1 Information on lubricants/oils produced by your company :

Lubricant/Oil Category	Type: enter "S" for synthetic and semisynthetic, "M" for mineral base lubricants	Total Quantity produced in 2003 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity produced in 2004 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity produced in 2005 <i>Indicate unit used (t, kg, m³ or l):</i>	Quantity annually exported from BiH <i>Indicate unit used (t, kg, m³ or l):</i>
Engine/Motor Oils					
Automotive Gear Oils (manual transmission/hypoid oils)					
Automatic Transmission Fluids					
Universal/Super Tractor Oils					
Railroad Oils					
Marine Oils					
Aircraft Oils					
Stationary Engine Oils (e.g. gas engine oils)					
Hydraulic Oils					
Compressor Oils					
Turbine Oils					
Industrial Gear Oils					
Slideway Oils					

Lubricant/Oil Category	Type: enter "S" for synthetic and semisynthetic, "M" for mineral base lubricants	Total Quantity produced in 2003 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity produced in 2004 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity produced in 2005 <i>Indicate unit used (t, kg, m³ or l):</i>	Quantity annually exported from BiH <i>Indicate unit used (t, kg, m³ or l):</i>
Metalworking Oils					
Water-Soluble Metalworking Oils					
Oils for Electric Installations (specify, e.g. transformer oils, etc.)					
Heat Transfer Oils					
Cooling Oils					
Process Oils					
Lubricating Greases					
Base Oils					
Other (specify):					
Other (specify):					

A.2 Information on lubricant/oil change at your gas stations:

Lubricant/oil Category	Type: enter "S" for synthetic and semisynthetic, "M" for mineral base lubricants	Total Quantity Changed in 2003 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity Changed in 2004 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity Changed in 2005 <i>Indicate unit used (t, kg, m³ or l):</i>
Engine/Motor Oils				
Automotive Gear Oils (manual transmission/hypoid oils)				
Automatic Transmission Fluids				
Special Hydraulic Oils (specify, e.g. servo, etc.)				
Other (specify):				
Other (specify):				

Are the figures entered based on actual records or estimates?

A.3 What is the average number of oil filters you change per year at your gas stations?

A.4 Where do you dispose of used oil filters?

A.5 How do you currently store used lubricants/oils, if changed at your stations?
(please specify type of containers - open/closed, storage in closed/roofed warehouse or open air storage; if open air storage, please specify the type of storage area base - concrete, pavement, soil, gravel, sand, etc.)

A.6 Are new or used lubricants stored in proximity of water courses? (if so, please specify approximate distance to watercourse)

A.7 Please indicate any problems related to new or used lubricants - e.g. with respect to handling, storage, final disposal etc.:

A.8 Please enter suggestions, if any, in relation to the national used lubricant collection system to be established:

Completed by:

Signature:

Date:

B IMPORTERS AND DISTRIBUTORS OF LUBRICANTS/OILS, BASE OILS, LUBRICANT ADDITIVES

B.1 Information on imports of distribution :

Lubricant/Oil Category	Type: <i>enter "S" for synthetic and semisynthetic, "M" for mineral base lubricants</i>	Manufacturer (brand)	Total Quantity imported/distributed in 2003 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity imported/distributed in 2004 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity imported/distributed in 2005 <i>Indicate unit used (t, kg, m³ or l):</i>
Engine/Motor Oils					
Automotive Gear Oils (manual transmission/hypoid oils)					
Automatic Transmission Fluids					
Universal/Super Tractor Oils					
Railroad Oils					
Marine Oils					
Aircraft Oils					
Stationary Engine Oils (e.g. gas engine oils)					
Hydraulic Oils					
Compressor Oils					
Turbine Oils					
Industrial Gear Oils					
Slideway Oils					

Lubricant/Oil Category	Type: enter "S" for synthetic and semisynthetic, "M" for mineral base lubricants	Manufacturer (brand)	Total Quantity imported/distributed in 2003 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity imported/distributed in 2004 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity imported/distributed in 2005 <i>Indicate unit used (t, kg, m³ or l):</i>
Metalworking Oils					
Water-Soluble Metalworking Oils					
Oils for Electric Installations (specify, e.g. transformer oils, etc.)					
Heat Transfer Oils					
Cooling Oils					
Process Oils					
Lubricating Greases					
Other (specify):					
Other (specify):					

B.2 Information on lubricant/oil change at your gas stations:

Lubricant/oil Category	Type: enter "S" for synthetic and semisynthetic, "M" for mineral base lubricants, if known	Total Quantity Changed in 2003 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity Changed in 2004 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity Changed in 2005 <i>Indicate unit used (t, kg, m³ or l):</i>
Engine/Motor Oils				
Automotive Gear Oils (manual transmission/hypoid oils)				
Automatic Transmission Fluids				
Special Hydraulic Oils (specify, e.g. servo, etc.)				
Other (specify):				
Other (specify):				

Are the figures entered based on actual records or estimates?

B.3 What is the average number of oil filters you change per year at your gas stations?

B.4 Where do you dispose of used oil filters?

B.5 How do you currently store new lubricants/oils?

(please specify type of containers - open/closed, storage in closed/roofed warehouse or open air storage; if open air storage, please specify the type of storage area base - concrete, pavement, soil, gravel, sand, etc.)

B.6 How do you currently store used lubricants/oils, if changed/collected at your gas stations?

(please specify type of containers - open/closed, storage in closed/roofed warehouse or open air storage; if open air storage, please specify the type of storage area base - concrete, pavement, soil, gravel, sand, etc.)

B.7 Are new or used lubricants stored in proximity of water courses? (if so, please specify approximate distance to watercourse)

B.8 What do you currently do with used lubricants/oils, if collected/changed at your gas stations ? (please circle-mark as appropriate)

- a) Long term storage of used lubricants. Total quantity accumulated so far is _____ (indicate unit used - t, kg or l).
- b) Used lubricants/oils of different categories/types are stored separately.
- c) All used lubricants/oils are stored together (mixed).
- d) Used lubricants/oils are handed over to an operator/company collecting or disposing of used lubricants.
- e) Used lubricants are burned/incinerated. Method of burning applied: _____ (e.g. open air burning, combustion in industrial or other furnaces, etc.).
- f) Used lubricants are treated/disposed of. Place of treatment/disposal: _____
Type of treatment (if other than disposal): _____
- g) other: _____

B.9 Please indicate any problems related to new or used lubricants - e.g. with respect to handling, storage, final disposal etc.:

B.10 Please enter suggestions, if any, in relation to the national used lubricant collection system to be established:

Completed by:

Signature:

Date:

C

EXPORTERS OF LUBRICANTS/OILS

C.1 Information on Exports:

Lubricant/oil Category	Type: enter "S" for synthetic and semisynthetic, "M" for mineral base lubricants	Manufacturer (brand)	Total Quantity exported in 2003 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity exported in 2004 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity exported in 2005 <i>Indicate unit used (t, kg, m³ or l):</i>
Engine/Motor Oils					
Automotive Gear Oils (manual transmission/hypoid oils)					
Automatic Transmission Fluids					
Universal/Super Tractor Oils					
Railroad Oils					
Marine Oils					
Aircraft Oils					
Stationary Engine Oils (e.g. gas engine oils)					
Hydraulic Oils					
Compressor Oils					
Turbine Oils					
Industrial Gear Oils					
Slideway Oils					
Metalworking Oils					

Lubricant/oil Category	Type: enter "S" for synthetic and semisynthetic, "M" for mineral base lubricants	Manufacturer (brand)	Total Quantity exported in 2003 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity exported in 2004 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity exported in 2005 <i>Indicate unit used (t, kg, m³ or l):</i>
Water-Soluble Metalworking Oils					
Oils for Electric Installations (specify, e.g. transformer oils, e.g.)					
Heat Transfer Oils					
Cooling Oils					
Process Oils					
Lubricating Greases					
Used Oils					
Other (specify):					

C.2 How do you currently store lubricants/oils?

(please specify type of containers - open/closed, storage in closed/roofed warehouse or open air storage; if open air storage, please specify the type of storage area base - concrete, pavement, soil, gravel, sand, etc.)

C.3 Are new or used lubricants stored in proximity of water courses? (if so, please specify approximate distance to watercourse)

C.4 Please indicate any problems related to new or used lubricants - e.g. with respect to handling, storage, final disposal etc.:

C.5 Please enter suggestions, if any, in relation to the national used lubricant collection system to be established:

Completed by:

Signature:

Date:

**BOSNA I HERCEGOVINA
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UREĐENJA I OKOLICE**



**BOSNIA AND HERZEGOVINA
FEDERATION OF BOSNIA AND HERZEGOVINA
FEDERAL MINISTRY OF PHYSICAL PLANNING
AND ENVIRONMENT**



**United Nations Environment Programme
Coordinating Unit for the Mediterranean Action Plan**



**SLOVAK ENVIRONMENTAL AGENCY
Basel Convention Regional Centre, Bratislava**

QUESTIONNAIRE G2

on lubricants

TRANSLATION

- INSTITUTIONS -

Offices of Statistics, Chamber of Foreign Trade, Customs

Please provide all available information on local manufacturing of lubricants/oils, exports of lubricants/oils and imports of lubricants/oils, lubricant additives and base oils:

Lubricant/oil Category	Type: enter "S" for synthetic and semisynthetic "M" for mineral base lubricants	Total Quantity produced in 2003 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity produced in 2004 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity produced in 2005 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity exported in 2003 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity exported in 2004 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity exported in 2005 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity imported in 2003 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity imported in 2004 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity imported in 2005 <i>Indicate unit used (t, kg, m³ or l):</i>
Engine/Motor Oils										
Automotive Gear Oils (manual transmission/hypoid oils)										
Automatic Transmission Fluids										
Universal/Super Tractor Oils										
Railroad Oils										
Marine Oils										
Aircraft Oils										
Stationary Engine Oils (e.g. gas engine oils)										
Hydraulic Oils										
Compressor Oils										
Turbine Oils										
Industrial Gear Oils										

Lubricant/oil Category	Type: enter "S" for synthetic and semisynthetic "M" for mineral base lubricants	Total Quantity produced in 2003 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity produced in 2004 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity produced in 2005 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity exported in 2003 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity exported in 2004 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity exported in 2005 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity imported in 2003 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity imported in 2004 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity imported in 2005 <i>Indicate unit used (t, kg, m³ or l):</i>
Slideway Oils										
Metalworking Oils										
Water-Soluble Metalworking Oils for Electric Installations (specify, e.g. transformer oils, e.g.)										
Heat Transfer Oils										
Cooling Oils										
Lubricating Greases										
Base Oils										
Additives										
Other (indicate) *:										

Lubricant/oil Category	Type: enter "S" for synthetic and semisynthetic "M" for mineral base lubricants	Total Quantity produced in 2003 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity produced in 2004 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity produced in 2005 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity exported in 2003 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity exported in 2004 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity exported in 2005 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity imported in 2003 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity imported in 2004 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity imported in 2005 <i>Indicate unit used (t, kg, m³ or l):</i>

* Customs Office: please indicate number and designation of lubricant/additive/base oil category

Completed by:

Signature:

Date:

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**BOSNIA AND HERZEGOVINA
FEDERATION OF BOSNIA AND HERZEGOVINA
FEDERAL MINISTRY OF PHYSICAL PLANNING
AND ENVIRONMENT**



**United Nations Environment Programme
Coordinating Unit for the Mediterranean Action Plan**



**SLOVAK ENVIRONMENTAL AGENCY
Basel Convention Regional Centre, Bratislava**

QUESTIONNAIRE G3

on lubricants

TRANSLATION

- USERS OF LUBRICANTS -

(industry, mining, forestry, agriculture, transport)

1. Information on lubricants used by your company:

Lubricant/oil Category	Type: enter "S" for synthetic and semisynthetic, "M" for mineral base lubricants, if known	Total Quantity Used in 2003 <i>Indicate unit used (t, kg, m³ or l):</i> _____	Total Quantity Used in 2004 <i>Indicate unit used (t, kg, m³ or l):</i> _____	Total Quantity Used in 2005 <i>Indicate unit used (t, kg, m³ or l):</i> _____	What is the total quantity of used (waste) lubricant collected by your company annum? <i>indicate unit used (t, kg, m³ or l):</i> _____	What total quantity of used (waste) lubricant could be collected per annum? <i>indicate unit used (t, kg, m³ or l):</i> _____
Engine/Motor Oils						
Automotive Gear Oils (manual transmission/hypoid oils)						
Automatic Transmission Fluids						
Universal/Super Tractor Oils						
Railroad Oils						
Marine Oils						
Aircraft Oils						
Stationary Engine Oils (e.g. gas engine oils)						
Hydraulic Oils						
Compressor Oils						
Turbine Oils						
Industrial Gear Oils						

Lubricant/oil Category	Type: enter "S" for synthetic and semisynthetic, "M" for mineral base lubricants, if known	Total Quantity Used in 2003 <i>Indicate unit used (t, kg, m³ or l):</i> _____	Total Quantity Used in 2004 <i>Indicate unit used (t, kg, m³ or l):</i> _____	Total Quantity Used in 2005 <i>Indicate unit used (t, kg, m³ or l):</i> _____	What is the total quantity of used (waste) lubricant collected by your company annum? <i>indicate unit used (t, kg, m³ or l):</i> _____	What total quantity of used (waste) lubricant could be collected per annum? <i>indicate unit used (t, kg, m³ or l):</i> _____
Slideway Oils						
Metalworking Oils						
Water-Soluble Metalworking Oils						
Oils for Electric Installations (specify, e.g. transformer oils, e.g.)						
Heat Transfer Oils						
Cooling Oils						
Process Oils						
Lubricating Greases						
Chainsaw Oils						
Other (specify):						
Other (specify):						

Are the figures entered based on actual records or estimates?

2. How do you currently store new lubricants?

(please specify, e.g. storage in closed/roofed warehouse or open air storage; if open air storage, please specify the type of storage area base - concrete, pavement, soil, gravel, sand, etc.)

3. How do you currently store used lubricants/oils?

(please specify type of containers - open/closed, storage in closed/roofed warehouse or open air storage; if open air storage, please specify the type of storage area base - concrete, pavement, soil, gravel, sand, etc.)

4. Are new or used lubricants stored in proximity of water courses? (if so, please specify approximate distance to watercourse)

5. What do you currently do with used lubricants/oils?

(please circle-mark as appropriate)

- a) Long term storage of used lubricants. Total quantity accumulated so far is _____ (indicate unit used - t, kg or l).
- b) Used lubricants/oils of different categories/types are stored separately.
- c) All used lubricants/oils are stored together (mixed).
- d) Used lubricants/oils are handed over to an operator/company collecting or disposing of used lubricants.
- e) Used lubricants are burned/incinerated. Method of burning applied: _____ (e.g. open air burning, combustion in industrial or other furnaces, etc.).
- f) Used lubricants are treated/disposed of. Place of treatment/disposal: _____
Type of treatment (if other than disposal): _____
- g) other: _____

6. Please indicate any problems related to new or used lubricants - e.g. with respect to handling, storage, final disposal etc.:

7. Please enter suggestions, if any, in relation to the national used lubricant collection system to be established:

Completed by:

Signature:

Date:

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**SLOVAK ENVIRONMENTAL AGENCY
Basel Convention Regional Centre, Bratislava**

QUESTIONNAIRE G3a

on lubricants

TRANSLATION

- WORKSHOPS FOR CARS AND OTHER VEHICLES -

1. Information on lubricant/oil change at your workshop:

Lubricant/oil Category	Type: enter "S" for synthetic and semisynthetic, "M" for mineral base lubricants, if known	Total Quantity Changed in 2003 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity Changed in 2004 <i>Indicate unit used (t, kg, m³ or l):</i>	Total Quantity Changed in 2005 <i>Indicate unit used (t, kg, m³ or l):</i>
Engine/Motor Oils				
Automotive Gear Oils (manual transmission/hypoid oils)				
Automatic Transmission Fluids				
Special Hydraulic Oils (specify, e.g. servo, etc.)				
Lubricating Greases:				
Other (specify):				
Other (specify):				

Are the figures entered based on actual records or estimates?

2. How do you currently store new lubricants?

(please specify, e.g. storage in closed/roofed warehouse or open air storage; if open air storage, please specify the type of storage area base - concrete, pavement, soil, gravel, sand, etc.)

3. How do you currently store used lubricants/oils?

(please specify type of containers - open/closed, storage in closed/roofed warehouse or open air storage; if open air storage, please specify the type of storage area base - concrete, pavement, soil, gravel, sand, etc.)

4. Are new or used lubricants stored in proximity of water courses? (if so, please specify approximate distance to watercourse)

5. What do you currently do with used lubricants/oils?

(please circle-mark as appropriate)

- a) Long term storage of used lubricants. Total quantity accumulated so far is _____ (indicate unit used - t, kg or l).
- b) Used lubricants/oils of different categories/types are stored separately.
- c) All used lubricants/oils are stored together (mixed).
- d) Used lubricants/oils are handed over to an operator/company collecting or disposing of used lubricants.
- e) Used lubricants are burned/incinerated. Method of burning applied: _____ (e.g. open air burning, combustion in industrial or other furnaces, etc.).
- f) Used lubricants are treated/disposed of. Place of treatment/disposal: _____
Type of treatment (if other than disposal): _____
- g) other: _____

6. What is the average number of oil filters you change per year?

7. Where do you dispose of used oil filters?

8. Please indicate any problems related to new or used lubricants - e.g. with respect to handling, storage, final disposal etc.:

9. Please enter suggestions, if any, in relation to the national used lubricant collection system to be established:

Completed by:

Signature:

Date:

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**SLOVAK ENVIRONMENTAL AGENCY
Basel Convention Regional Centre, Bratislava**

QUESTIONNAIRE G4

on lubricants

TRANSLATION

- OTHER USERS OF LUBRICANTS -

**Local Armed Forces, Entity/Cantonal Ministry of Internal Affairs - Police,
EUFOR**

1. Information on lubricants/oils used by entire armed/police forces:

Lubricant/oil Category	Type: enter "S" for synthetic and semisynthetic, "M" for mineral base lubricants, if known	Total Quantity Used in 2003 <i>Indicate unit used (t, kg, m³ or l):</i> _____	Total Quantity Used in 2004 <i>Indicate unit used (t, kg, m³ or l):</i> _____	Total Quantity Used in 2005 <i>Indicate unit used (t, kg, m³ or l):</i> _____	What is the total quantity of used (waste) lubricant collected per annum? <i>Indicate unit used (t, kg, m³ or l):</i> _____	What total quantity of used (waste) lubricant could be collected per annum? <i>Indicate unit used (t, kg, m³ or l):</i> _____
Engine/Motor Oils						
Automotive Gear Oils (manual transmission/hypoid oils)						
Automatic Transmission Fluids						
Marine Oils						
Aircraft Oils						
Stationary Engine Oils (e.g. gas engine oils)						
Hydraulic Oils						
Compressor Oils						
Turbine Oils						
Oils for Electric Installations (specify, e.g. transformer oils, e.g.)						
Heat Transfer Oils						

Lubricant/oil Category	Type: enter "S" for synthetic and semisynthetic, "M" for mineral base lubricants, if known	Total Quantity Used in 2003 <i>Indicate unit used (t, kg, m³ or l):</i> _____	Total Quantity Used in 2004 <i>Indicate unit used (t, kg, m³ or l):</i> _____	Total Quantity Used in 2005 <i>Indicate unit used (t, kg, m³ or l):</i> _____	What is the total quantity of used (waste) lubricant collected per annum? <i>indicate unit used (t, kg, m³ or l):</i> _____	What total quantity of used (waste) lubricant could be collected per annum? <i>indicate unit used (t, kg, m³ or l):</i> _____
Cooling Oils						
Lubricating Greases						
Other (specify):						
Other (specify):						

Are the figures entered based on actual records or estimates?

2. How do you currently store new lubricants?

(please specify, e.g. storage in closed/roofed warehouse or open air storage; if open air storage, please specify the type of storage area base - concrete, pavement, soil, gravel, sand, etc.)

3. How do you currently store used lubricants/oils?

(please specify type of containers - open/closed, storage in closed/roofed warehouse or open air storage; if open air storage, please specify the type of storage area base - concrete, pavement, soil, gravel, sand, etc.)

4. Are new or used lubricants stored in proximity of water courses? (if so, please specify approximate distance to watercourse)

5. What do you currently do with used lubricants/oils?

(please circle-mark as appropriate)

- a) Long term storage of used lubricants. Total quantity accumulated so far is _____ (indicate unit used - t, kg or l).
- b) Used lubricants/oils of different categories/types are stored separately.
- c) All used lubricants/oils are stored together (mixed).
- d) Used lubricants/oils are handed over to an operator/company collecting or disposing of used lubricants.
- e) Used lubricants are burned/incinerated. Method of burning applied: _____ (e.g. open air burning, combustion in industrial or other furnaces, etc.).
- f) Used lubricants are treated/disposed of. Place of treatment/disposal: _____
Type of treatment (if other than disposal): _____
- g) other: _____

6. Please indicate any problems related to new or used lubricants - e.g. with respect to handling, storage, final disposal etc.:

7. Please enter suggestions, if any, in relation to the national used lubricant collection system to be established:

Completed by:

Signature:

Date

ANNEX 2 - LIST OF QUESTIONNAIRES RECIPIENTS

**LISTA SUBJEKATA KOJIMA JE DOSTAVLJEN UPITNIK
(* - subjekti koji su odgovorili)**

Distributeri, proizvođači

1. *Antunović d.o.o.
Autoput bb
76270 Orašje
2. Castrol
Ljubljanska 2a
71000 Sarajevo
3. Megamix
Put Života 12
71000 Sarajevo
4. Cavkunovic d.o.o.
Zaobilaznica bb
77101 Bihać
5. *Circle International d.o.o.
Tromeđa bb
88266 Međugorje
6. *Energopetrol d.d.
M. Tita 36
71000 Sarajevo
7. *Hifa Oil d.o.o.
Krndija bb
74260 Tešanj
8. *HOLDINA d.o.o.
Azize Šaćirbegović 4b
71000 Sarajevo
9. *INTERINA d.o.o.
Kneza Višeslava 8
88000 Mostar
10. INTEROIL d.o.o.
Tuzlanski put bb
75350 Srebrenik
11. Maziva d.o.o.
Hadžiefendijina bb
76250 Gradačac
12. OMV Istrabenz BiH d.o.o.
Vukovarska 18
88000 Mostar
13. Petrol BH Oil Company d.o.o.
Fra Anđela Zvizdovića 1
71000 Sarajevo
14. *Zovko Oil d.o.o.
Goliješnica bb
72230 Žepče
15. *"KOPEX-SARAJLIĆ" D.O.O.
75350 SREBRENİK
16. *C.D.E.B. (Interex)
Stupska bb
71210 Ilidža
17. *Ćeman Energoprom
Tešanjka bb,
74264 Tešanj
18. *Valvosan-Valtec
72260 Busovača
19. FIS d.o.o.
PC'96 bb
72250 Vitez
20. Rivanol d.o.o.
75000 Tuzla
21. Robni promet d.o.o.
Zagrebačka 2
77000 Bihać
22. *Krajinapetrol Banja Luka
Ivana Franje Jukića 2
78000 Banja Luka
23. *Petrol Banja Luka
Siniše Mijatovića bb
78000 Banja Luka
24. *Rafinerija ulja Modriča
Vojvode Stepe 49
74480 Modriča
25. *Tehnosint Laktaši
Karađorđeva bb
78250 Laktaši

26. Milka Laktaši
Karađorđeva 37
78250 Laktaši
27. Ideal Petrol
I.G. Kovačića 203a
78000 Banja Luka
- Transporteri**
28. *Autoprevoz-Bus Mostar
Bišće polje 195
88000 Mostar
29. Gradski i prigradski saobraćaj d.d.
75000 Tuzla
30. *Zenicatrans-Prevoz putnika d.d.
Bulevar Kralja Tvrtka I br 34
72000 Zenica
31. *Kantić - bus
72000 Zenica
32. *Feršped d.d.d
Antuna Branka Šimića 2a I/20
71000 Sarajevo
33. *Interšped d.d.
M. Tita 40
71000 Sarajevo
34. Eurotrans
Zmaja od Bosne 12c
71000 Sarajevo
35. *Centrotrans bus Eurolines BiH d.d.
M.M. Bašeskije 5
71000 Sarajevo
36. *JP GRAS
Velikih drveta 2
71000 Sarajevo
37. *Mostar Bus
Trg Ivana Krndelja bb
88000 Mostar
38. Sarajevo Taxi
Baščaršija/Štand br. 1
71000 Sarajevo
39. *Globtour d.o.o.
88266 Međugorje
40. *JP Željeznice BiH, ŽeljezniceFBiH
Musala 2
71000 Sarajevo
41. Interšped Brčko d.o.o.
Lučka bb
76100 Brčko
42. Intereuropa RTC d.d.
Halilovići 12
71000 Sarajevo
43. BOBAR špedicija i transport d.o.o.
76100 Brčko
44. *JP Željeznice BiH , Željeznice RS
a.d. Svetog Save 71
74000 Doboj
45. Smiljić d.o.o.
Patrijarha M. Sokolovića 10
78000 Banja Luka
46. Rotas ad
Brace Pišteljica 6
78000 Banja Luka
47. *Autoprevoz" putnički saobraćaj
ad.Bulevar Srpske Vojske 17
78000 Banja Luka
48. Banjalukatrans" ATP ad
Bulevar Srpske vojske 11
78000 Banja Luka
49. Interšped a.d.
Stanični trg bb
74000 Doboj
50. BOBAR špedicija i transport d.o.o.
Filipa Višnjica bb
76300 Bijeljina
51. *BOBAR Bobeks d.o.o.
Filipa Višnjica 211
76300 Bijeljina
52. Eurošped d.o.o.
Ilje Garašanina bb
78000 Banja Luka

Industrijski korisnici

53. BOSNA-DRVO d.o.o.
Divjak bb
72256 Vitez
54. Bosnadrvo d.o.o. Kakanj
Omera Maslica 55
72240 Kakanj
55. *JP Hercegbosanske šume d.o.o.
Splitska bb
80320 Kupres
56. *Konjuh
Prva ulica 57
Živinice
57. Sarajevošume d.o.o.
M. Tita 7/II
71000 Sarajevo
58. Šuma-Prom d.o.o. Export-Import
Konjic Varda bb
88400 Konjic
59. Šumarstvo JP Busovača
Bosanska bb
72260 Busovača
60. *Šumarstvo Prenj d.d.
Sarajevska 31
88400 Konjic
61. Šumarstvo Srednje Neretvansko
d.d. Južni Logor bb
88000 Mostar
62. Šumsko gazdinstvo Vranica
Bakovicko put bb
71270 Fojnica
63. HOLZ d.o.o.
Stjepana Radica bb
80220 Glamoč
64. HOLZ d.o.o.
Donji Hotonj II 65
71000 Sarajevo
65. *RUDNICI Boksita Jajce d.d.
Trg Hrvatskih branitelja bb
70101 Jajce
66. Rudnik uglja Breza
Branilaca grada bb
71370 Breza
67. Rudnik uglja Kakanj
Zgoščanska bb
72240 Kakanj
68. *Rudnik uglja Kreka – Đurđevik
M. Keroševića 1
75000 Tuzla
69. *Rudnik uglja Zenica
Stjepana Radića 2
72000 Zenica
70. *Rudnik uglja Banovići
Branilaca Banovića 36
75290 Banovići
71. *Rudnik uglja Tušnica
S.S. Kranjčevića 3
88101 Livno
72. Rudnik željeza Vareš
Rudarska 1
71130 Vareš
73. Željezara Zenica d.o.o.
Bulevar Kralja Tvrtka I br 17
72000 Zenica
74. *Aluminij d.d.
Bačevići bb
88000 Mostar
75. *Energoinvest d.d.
H. Čemerlića 2
71 000 Sarajevo
76. Volkswagen d.o.o.
Igmanska 36
71320 Vogošća
77. Mittal Steel
Bulevar Kralja Tvrtka 1
72000 Zenica
78. Prevent Sarajevo
Goruša bb
71300 Visoko
79. KTK
Prijeko 1
71300 Visoko

80. *Pretis d.o.o.
Igmanska 1
Vogošća
81. *Borac d.d.
72270 Travnik
82. FEAL
Trn bb
88223 Široki Brijeg
83. *TMD AI CIMOS
Sarajevska 62
76250 Gradačac
84. UNICO Filter
Bukva bb
74260 Tešanj
85. *Sarajevogas
Muhameda ef. Pandže 4
71000 Sarajevo
86. *BIRA
Jablanska bb
77000 Bihać
87. *Žica d.d. Sarajevo
Džemala Bijedića 160
71000 Sarajevo
88. *Pobjeda
Bukva bb
74260 Tešanj
89. Elektrobosna
Brune Bušića bb
70101 Jajce
90. *Enker
Bukva bb
74260 Tešanj
91. Krajina metal
Jablanska bb
77000 Bihać
92. *SOKO - Izgradnja objekata Mostar
Rodoč bb
88000 Mostar
93. SOKO Zrakoplov.
Rodoč bb
88000 Mostar
94. Unis Tvornica valjčića Konjic
Maršala Tita bb
88400 Konjic
95. Tvornica alata Goražde
Višegradaska bb
73000 Goražde
96. UNIS kovina
Arnautovići bb
71300 Visoko
97. FERING
Bazen 5A
75320 Gračanica
98. *Fabrika autodijelova - FAD
74264 Jelah
99. MIBO (TMD Group) BRČKO
Ciglana 12
76100 Brčko
100. Cementara Kakanj
Selima Merdanovića 146
72240 Kakanj
101. *Cementara Lukavac
Marije Macan bb
75300 Lukavac
102. *Natron
74250 Maglaj
103. *Coca cola HBC B-H d.o.o.
Sarajevo Mostarsko raskršće
71240 Hadžići
104. *Elektroprivreda BiH
Vilsonovo setaliste 20
71000 Sarajevo
105. *Elektroprivreda HZHB
M. Budaka 106a
88000 Mostar
106. *ŽGP Zenica d.d.
Bulevar Kralja Tvrtka I br 3
72000 Zenica
107. Ahydron-Građenje d.o.o.
Doglodi bb
71000 Sarajevo

108. BH Gradnja d.o.o.
Bosanski put 215
71000 Sarajevo
109. GP Vranica dd
Antuna Branka Šimića 8
71000 Sarajevo
110. JP Šumarstva Srpske Šume
78000 Banja Luka
111. A.D. Napredak
Šipovačke brigade 1
70270 Šipovo
112. J.P. Srpske šume RS Krivaja
74000 Doboj
113. JP Šumsko gazdinstvo Doboj
74000 Doboj
114. AD Drvoprerada
78220 Kotor Varoš
115. ŠG Kozara
79240 Kozarska Dubica
116. Srpske šume RS ŠG ROMANIJA
71350 Sokolac
117. JP Srpske šume ŠG Sana
77230 Srpski Sanski Most
118. *Drvo-commerce d.o.o.
74276 Pribinić/Teslić
119. JP Srpske šume ŠG Borja
74270 Teslić
120. *Rudnik lignita Stanari
(EFT Group)
Stanari 74000 Doboj
121. *Rudnik mrkog uglja Miljevina
73313 Miljevina
122. Rudnik olova i cinka
75430 Srebrenica
123. Z.Z. Agropromet
78000 Banja Luka
124. *Krajina klas d.o.o.
Vojvode Stepe Stepanovića 208a
78000 Banja Luka
125. *Vitaminka a.d.
78000 Banja Luka
126. Agricola d.o.o.
78000 Banja Luka
127. *A.D. Žitopromet
76300 Bijeljina
128. Agro BN d.o.o.
76300 Bijeljina
129. Semberka a.d.
76300 Bijeljina
130. PZS Agrosemberija
76300 Bijeljina
131. AD Poljoprivrednik
74400 Derventa
132. A.D. Bosanka
74000 Doboj
133. Stork d.o.o.
74000 Doboj
134. Levita prehrana d.o.o.
35400 Bosanska Gradiška
135. A.D. Levita
35400 Bosanska Gradiška
136. ZZ Prodex
35400 Bosanska Gradiška
137. Zlatno zrno d.o.o.
35400 Bosanska Gradiška
138. Poljoprivreda a.d.
79240 Kozarska Dubica
139. Poljoprodukt d.o.o.
79240 Kozarska Dubica
140. A.D. Agrohercegovina
88280 Nevesinje
141. Žitopromet a.d.
79102 Prijedor
142. Proteinka
79102 Prijedor

143. Vučjak a.d.
72270 Prnjavor
144. ZZ Kooperativa
72270 Prnjavor
145. Motajica a.d. Poljoprivredno dobro
78420 Srbac
146. Agrounija d.o.o.
78420 Srbac
147. A.D. Agroprom
75400 Zvornik
148. Hercegovka d.o.o.
89101 Trebinje
149. Agrokop
89101 Trebinje
150. ZZ
89101 Trebinje
151. Jelšingrad
78000 Banja Luka
152. ODP Jelšingrad FMU
78220 Kotor Varoš
153. MDP Jelšingrad
72270 Prnjavor
154. *Fabrika glinice Birač a.d.
75400 Zvornik
155. Industrija alata Trebinje
Nikšički put 14
89101 Trebinje
156. *A.D.Čajavec
Jovana Dučića 23a
78000 Banja Luka
157. Hemofarm
Novakovići bb
78000 Banja Luka
158. AD Hemijska industrija - destilacija
74270 Teslić
159. *J.P. Elektroprivreda RS
HE na Vrbasu
Sime Šolaje bb
70260 Mrkonjić Grad
160. *J.P. Elektroprivreda RS
HE na Drini a.d.
Nezurci bb
73240 Višegrad
161. "HIDROELEKTRANE NA
TREBIŠNJICI" TREBINJE
Obala Luke Vukalovića
89101 Trebinje
162. ZDP RUDNIK I
TERMOELEKTRANA
GACKO" GACKO
Gračanica Industrijska zona bb
89240 Gacko
163. ZDP "RUDNIK I
TERMOELEKTRANA
UGLJEVIK"
G.Naselje bb
76330 Ugljevik
164. INCEL
78000 Banja Luka
165. *SHP CELEX
Veljka Mlađenovića bb
78000 Banja Luka
166. *Fabrika koža Lauš
Karađorđeva 386
78000 Banja Luka
167. AD Konfekcija Borac
79102 Prijedor
168. Rafinerija
74450 Bosanski Brod
169. Dobojputevi
74000 Doboj
170. A.D. Prijedorputevi
79102 Prijedor
171. Z.Z. Novogradnja
79102 Prijedor
172. *A.D. Kozaraputevi
Ive Andrića 10
78 000 Banja Luka
173. D.O.O. Građevinarstvo
78000 Banja Luka

174. D.O.O Tehnogradnja
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175. Novogradnja d.o.o.
78000 Banja Luka
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78 0000 Banja Luka
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180. PGP Izgradnja
35400 Bosanska Gradiška
181. A.D. Visokogradnja
35400 Bosanska Gradiška
182. NV Gradeks d.o.o.
78230 Kneževo
183. AD Vrbas građevinsko preduzeće
78250 Laktaši
184. A.D. Hercegovinaputevi
89101 Trebinje

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72270 Travnik

190. MUP TUZLA
Turalibegova bb
75000 Tuzla
191. MUP ŽZH
ul. Kralja Zvonimira 1
88302 Ljubuški
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Brune Bušića bb
88000 Mostar
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278. AUTO SERVIS IGMAN d.d.
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283. AUTO-DAM d.o.o.
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284. AUTO-ELEKTRONIK d.o.o.
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285. AUTO-MONT d.o.o.
D. GRABOVICA 6
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(NASELJE DREŽNIK) BB
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290. AUTOCENTAR d.d.
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Ključ
291. AUTOENTAR D.O.O.
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77101 Bihać
293. AUTODELTA D.O.O.
BOLNIČKA DO BR. 11
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294. UTOEXPORT CUŽIC D.O.O.
MOKRO BB
88220 Široki Brijeg
295. AUTOGLAS 505 d.o.o.
BLAGOVAC I 12
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296. AUTOKUCA MATIJEVIC D.O.O.
TRN BB
88223 Široki Brijeg
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72000 Zenica
298. *Autoremont d.d.
Zmaja od Bosne 1
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299. BOMBASTIC D.O.O.
NUSRETA PROHICA 32
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300. KUPREŠKA 43
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301. BILLY D.O.O.
OZIMICE II BLOK X 1/6
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302. BOS-MONT D.O.O.
ALEJA BOSNE SREBRENE 87
Sarajevo
303. CO FRANC D.O.O.
POKLECANI BB
88240 Posušje
304. BROD d.o.o.
GNJILAVAC 283
77220 Cazin
305. BUŽIMKA d.o.o.
KRUPSKA 1
77245 Bužim
306. BOŠA d.o.o.
CIM 14
88106 Mostar
307. *CAREX d.o.o.
CORALICI BB
77220 Cazin
308. *ČAVKIC d.o.o. Bihac
JABLANSKA 301
77000 Bihać

309. CITAR KOMERC d.o.o.
MOŠEVAČKA 109
71380 Sarajevo-Ilijaš
310. CAZA-MERC d.o.o.
KLJUČKO SANSKA BB
77220 Cazin
311. CENTROKOMERC d.o.o.
SPRECKA BB
75270 Živinice
312. CIROKA d.o.o.
KLISA BB
77220 Cazin
313. CROATIA VITEZ D.O.O
DIVIJAK BB
72250 Vitez
314. COMBE d.o.o.
ŽRTAVA SREBRENICE 97
76250 Gradačac
315. CONNECOIL , d.o.o.
JUKIĆEVA 85
71000 Sarajevo
316. CRNI export-import d.o.o.
POTPOLJE BB
Čitluk
317. CROATIA SERVIS D.O.O
STOJKOVICI BB
72290 Novi Travnik
318. CROATIA-REMONT d.d.
TASOVČICI BB
88300 Čapljina
319. CROAUTO d.o.o.
KNEZA DOMAGOJA 11
88000 Mostar
320. DŽANAMZ D.O.O.
HALILOVIĆI BB
Sarajevo
321. *CROTEHNA D.O.O.
NIKOLE KORDICA BB
88320 Ljubuški
322. D M S D.O.O
KALIBUNAR 24B
Travnik
323. D.o.o. MB-LIPOVACA
IRFANA LJUBIJANKICA 32
77000 Bihać
324. d.o.o. HEPIC Velika
IBRAHIMA MRŽNJAKA 84
77230 Velika Kladuša
325. D.O.O. S
SALKE BEŠLAGICA BB.
71370 Breza
326. D.o.o. AHMICI
SLADNA BB
75355 Srebrenik
327. DD AUTOSERVIS
14. SEPTEMBAR BB
70220 Donji Vakuf
328. D.O.O. AUTO BOTIC
POTKRAJ BB
71370 Breza
329. DISK-VOLAN d.o.o.
RAJAK 231
77220 Cazin
330. DEL-CO D.O.O.
SARAJEVSKA BB
71300 Visoko
331. DOZ d.o.o.
TINJA DONJA BB
Srebrenik
332. DJEEM-TRANS d.o.o.
DRINSKA 144
71000 Sarajevo
333. DOO NUHANOVIC
ŠEHIDSKA 56
71370 Breza
334. DULDUNG d.o.o.
KALESIIJA SELO BB
75270 Kalesija
335. DUNO d.o.o.
SARAJEVSKA CESTA 24
71250 Kiseljak

336. EGRO-TRADE d.o.o. TUZLA
KRECANSKA BB
75000 Tuzla
337. VELIKA KLADUŠA
IBRAHIMA MRŽLJAKA 106
77230 Velika Kladuša
338. ELEKTRO-MAŠIC d.o.o.
6. BATALJONA 103
76250 Gradačac
339. ELF D.O.O.
POTOCANI BB
74268 Tešanj
340. ELIOS d.o.o.
URGA 5
77235 Velika Kladuša
341. EMAH d.o.o.
BULEVAR MEŠE SELIMOVIĆA 29
Sarajevo
342. EMOTEP d.o.o.
KALESIJA BB
75267 Kalesija
343. ERWERB d.o.o.
UL. BRANILACA BANOVICA 6
75290 Banovići
344. ENO d.o.o. TUZLA
DONJA GRABOVICA DO BROJA 14
75208 Tuzla
345. ESKIMO S 2 D.O.O
MEHURIC BB
Travnik
346. EUROBLITZ D.O.O.
TRN BB
88223 Široki Brijeg
347. *EUROSERVIS d.o.o
ŽUPANA ŽELIMIRA BB
80101 Livno
348. *Autocentar d.o.o.,
Poslovni centar 96
72250 Vitez
349. EUROSERVIS D.O.O.
TRN BB
88220 Široki Brijeg
350. EXTRA - STIL D.o.o.
PJANICI BB
77227 Cazin
351. F - MONDEO d.o.o.
CEHICI 121
77220 Cazin
352. F A E Š d.o.o.
I ULICA 75
75270 Živinice
353. *F 1 d.o.o.
POSAVSKA 5 A
Sarajevo
354. FILIPOVIC D.O.O.
DONJI LUG BB
72230 Žepče
355. FARMIN d.o.o.
DONJA LOHINJA BB
75320 Gračanica
356. FOKUS d.o.o
MARKA MARULICA 9
80101 Livno
357. FENNA d.o.o.
UL.18 HRVATSKE BRIGADE 25
75000 Tuzla
358. FREDICOMERCE d.o.o.
DOBRO SELO BB
77230 Velika Kladuša
359. *FORESTER d.o.o.
Safeta Zajke 159
Sarajevo
360. *GIGAN d.o.o.
VTŽERALE 15
80208 Livno
361. GAZ-AUTO d.o.o.
MAHMUTA BUŠATLIJE 23
Tuzla
362. GORICE-KOMERC d.o.o.
HUSINO, NOVO NASELJE 3
75000 Tuzla
363. *GORAŽDE-AUTO D.O.O.
MUHIDINA MAŠICA -MUNJE- 8.
73000 Goražd

364. *GRAPS d.o.o.
SARAJEVSKA BB
Gradačac
365. GRAD-LUX d.o.o.
VI BATALJONA BB
76250 Gradačac
366. GRADAŠCEVIC d.o.o.
TINJA BB
75357 Srebrenik
367. GUGI d.o.o.
ŠUJICA BB
80240 Tomislavgrad
368. GUMA-KOMERC D.O.O.
JUKICA NJIVE BB
88240 Posušje
369. GUGO D.O.O.
ŽVATIC BB
88220 Široki Brijeg
370. HAAG MOBILITY CENTER d.o.o.
IGMANSKOG MARŠA 36
71320 Sarajevo-Vogošća
371. HALILOVIĆ d.o.o.
JUKIĆEVA 81
71000 Sarajevo
372. HECIMOVIC d.o.o.
SARAJEVSKA BB
76250 Gradačac
373. HERCEGOVINA AUTO d.d.
KNEZA DOMAGOJA 11
88000 Mostar
374. HIDRAULIKFLEX D.O.O.
PODUBRAVLJE BB
Zavidovići
375. *HIDRORING D.O.O.
ROSULJE BB.
74260 Tešanj
376. HIMBEX d.o.o.
DUPOVCI BB
71240 Sarajevo-Hadžići
377. HOLZMANN d.o.o.
PODGAJEVI 47
75275 Živinice
378. HP FLUID d.o.o.
ŠKORICI 68
Gradačac
379. IKEM D.O.O. ŠIROKI
UZARICI BB
Široki Brijeg
380. IMBUS d.o.o.
IVANA MARKOVICA IRCA BB
75350 Srebrenik
381. IMZ-TRANS doo
LJEPUNICE 101
75213 Tuzla
382. INTERMOBIL D.O.O.
TRN BB
88220 Široki Brijeg
383. *ISO-AUTOCENTAR D.O.O.
ŽEGAR 32
77220 Cazin
384. IVANIŠ d.o.o.
DR. A. STARCEVICA BB
80230 Glamoč
385. IVAS d.o.o.
MAGISTRALNI PUT BB
75270 Živinice
386. *IZO-M d.o.o.
Z.ŽALICA BB
77230 Velika Kladuša
387. *JAMBOSS d.o.o.
ALBINA HERLJEVICA BB
75300 Lukavac
388. *A.C.L. d.o.o.
dr. Ljubijankića 91
Bihać
389. KASELPROM d.o.o.
DONJA ORAHOVICA BB
75323 Gračanica
390. *JASI COMERC d.o.o.
TOMINA 206
79264 Sanski Most

391. KASKO d.o.o. Cazin
OSTROŽAC BB
Cazin
392. KAVGICO doo
SJEVER BB
75270 Živinice
393. KEMO-BENZ d.o.o.
ŠKAHOVICA BB
75324 Gračanica
394. KEMX d.o.o.
MIONICA 3 BB
76250 Gradačac
395. *KS CABRIO d.o.o.
JUKIĆEVA 77
71000 Sarajevo
396. JOLE D.O.O.
RAVNE DONJE BB.
72230 Žepče
397. JUGOVIC D.O.O.
DONJA ZIMCA 14
71300 Visoko
398. JUKA-KOMERC D.O.O.
ŠIJE BB
74203 Tešanj
399. KADIC - IMPEX d.o.o.
V KORPUSA BB
77240 Bosanska Krupa
400. KULAUNICOM d.o.o.
BRANILACA BIH BB
79280 Ključ
401. KUPLUNG d.o.o.
SJEVER 1
Živinice
402. KANKER d.o.o.
P.O. ZVIJEZDA 4
71320 Sarajevo-Vogošća
403. KARAMEHO d.o.o.
KUPREŠKA 9
71000 Sarajevo
404. KVIN COMPANY d.o.o.
REDAK BB
Sanski Most
405. LANAC d.o.o.
SJEVER 1
75000 Tuzla
406. LAŠVA-KOMERC d.o.o.
DONJE PUTICEVO BB
72276 Travnik
407. LEDIS d.o.o.
KULINA BANA BB
75350 Srebrenik
408. LIPOPIR d.o.o.
ŽIROVIC BB
80208 Livno
409. LUTVO D.O.O.
ZUKICI 1
72000 Zenica
410. M.E.F. D.o.o.
HARMANI H3/2
Bihać
411. MAAH D.O.O.
KRIVAJSKA BB
Zavidovići
412. MALIX-L doo
ŠICI BB
75207 Tuzla
413. MANUEL d.o.o.
BUCICI B.B.
72295 Novi Travnik
414. MATUŠKO COMMERCE d.o.o.
DUBROVACKA BB
88390 Neum
415. MEHANIKA d.o.o.
ASIMA BAJRAKTAREVICA 8
77245 Bužim
416. MEMSA d.o.o.
CORALICI BB
77227 Cazin
417. MGM-TP d.o.o.
GORNJEVAKUFSKA B.B.
70230 Bugojno

418. MHB AUTO CONFORT
MARŠALA TITA BB
74268 Tešanj
419. MI - CRNI d.o.o.
VRNOGRAC 58
Velika Kladuša
420. MIGRA d.o.o.
ALIBEGOVIĆI III
Bugojno
421. MISAN d.o.o.
KRKOJEVCI BB
79260 Sanski Most
422. MMF SPECIAL
AUTOSERVIS d.o.o.
PUT FAMOSA 38
Sarajevo-Ilidža
423. MONOLIT d.o.o.
GRUJE NOVAKOVICA BB DO 2
75000 Tuzla
424. MOTO TURS d.o.o.
MUJE ŠEJTE 7
Sarajevo
425. MUJCIN D.O.O.
CORALICI BB
77226 Cazin
426. MUJKE-COMMERCE d.o.o.
DŽEMALA BIJEDIĆA 139
71000 Sarajevo
427. MUMINOVIC
XVI MUSLIMANSKE BB
75350 Srebrenik
428. N A M group d.o.o.
HADŽALICA OGRADA I/19
70230 Bugojno
429. N R W - TEAM d.o.o.
HUSINSKIH RUDARA 170
Tuzla
430. NEŠ d.o.o.
KEREPSKI PUT BB
76250 Gradačac
431. NIMAC SERVIS d.o.o.
MALOG MARIJANA 10
- 80240 Tomislavgrad
432. *NIPEX d.o.o. TUZLA
LJEPUNICE BB
75206 Tuzla
433. OIM d.o.o. JABLANICA
ŽELJEZNICKA 11
88420 Jablanica
434. OPTIMA-LINE d.o.o.
DUSINE BB
76270 Orašje
435. OST - VEST d.o.o.
SMRICANI BB
80101 Livno
436. PAVIC-KOMERC d.o.o.
LJEPUNICE BB
75213 Tuzla
437. PICO CAR WASH d.o.o.
MUSLIMANSKE - POLJE 50
77230 Velika Kladuša
438. PIMAX-KOMPANI d.o.o.
TOJŠICI BB
75260 Kalesija
439. PIRELLI d.o.o.
ZABRIŠĆE BB
80208 Livno
440. PLIN-KOMERC d.o.o.
SMRCENJACI 6
88000 Mostar
441. POLIC SERVIS D.O.O.
PUT ZA GRUDE BB
88240 Posušje
442. POLJO - REMONT d.o.o.
OSTROŽAC 205
77228 Cazin
443. PORKA COMMERCE d.o.o.
ISMETA MUJEZINOVICA 53
75000 Tuzla
444. *PSC - JELAH D.O.O.
JELAH POLJE BB
74264 Tešanj

445. PSD COMMERCE d.o.o.
CANICI BB
75203 Tuzla
446. QUATRO d.o.o.
DRVARSKIH MUCENIKA BB
80260 Drvar
447. RADIAL - EXPORT-IMPORT d.o.o.
V KORPUSA BB
77240 Bosanska Krupa
448. REMONT I SERVIS
MOTORNIH VOZILA d.d.
M. TRIFUNOVICA 3
Tuzla
449. REMONT-ZANAT d.o.o.
BRIJESNICA MALA BB
Doboj-Istok
450. RENOSTAR d.o.o.
TASOVCICI BB
88300 Čapljina
451. RESTORATION CLASSIC CARS
d.o.o.
ĐURĐEVİK BB
75270 Živinice
452. REX d.o.o.
STJEPAN POLJE BB
75320 Gračanica
453. RIZAUTO KADIĆ d.o.o.
HRASNICA-LASIČKE MEGARE 67
71210 Sarajevo-Ilidža
454. SABELJA d.o.o. Novi
FRA MARIJANA ŠUNJICA BB
72290 Novi Travnik
455. SABLJE UNIVERZAL D.O.O.
BROCANAC BB
88243 Posušje
456. SANA d.o.o.
LJUBACE 92
75214 Tuzla
457. SANS d.o.o.
KOTROMANIĆA 3
71000 Sarajevo
458. SEIF d.o.o.
MILJANOVCİ BB
75267 Kalesija
459. *SEJO&SİNOVİ d.o.o.
BİSTRİK BB
Sarajevo
460. SELAK d.o.o.
NERETVANSKA BB
88260 Čitluk
461. SERVIS ASG D.O.O.
STJEPANA RADICA BB
Široki Brijeg
462. SERVIS CAR d.o.o.
ISMETA MUJEZİNOVIĆA 10
71000 Sarajevo
463. SERVIS JUKIC expor-import d.o.o.
MALI GUBER BB
Livno
464. SERVO-MOBIL d.o.o.
KROJCICA BB
75000 Tuzla
465. ŠETAS d.o.o.
DŽEMALA BIJEDIĆA 139
Sarajevo
466. SFS d.o.o.
REPUŠINE 6
77000 Bihać
467. SİBELA D.O.O.
BLAŽUJSKI DRUM 108
71210 Sarajevo-Ilidža
468. SONI LUX doo
KULINA BANA 8
75000 Tuzla
469. STANDOX D.O.O.
MAHALA BB.
71370 Breza
470. START D.O.O.
ZALOŽJE 48
73249 Breza

471. ŠUBI d.o.o.
XVIII HRVATSKE BRIGADE DO
75000 Tuzla
472. SUN-CENTAR d.o.o.
BRANILACA KULE GRADA 5
75320 Gračanica
473. TAHO-SAAM d.o.o.
MIONICA BB
76250 Gradačac
474. TAHOTAXI - KIM d.o.o.
BRANILACA GRADA 34
Bosanska Krupa
475. *TALIC KOMERC D.O.O.
PEHARE 78
72000 Zenica
476. TAMEK-SON COMPANY d.o.o.
VRBASKA 26 F
71000 Sarajevo
477. TE- H.M - AM AUTOMOBIL-
TECHNIK d.o.o.
UL.ISMETA AHMETOVICA BB
Srebrenik
478. TEHNOCOMERC K D.O.O.
JELAH BB
74264 Tešanj
479. TEHNOMAT D.O.O.
MELJAKUŠA I
Posušje
480. *TEHNOSERVIS d.o.o.
FRANJEVACKA BB
76274 Orašje
481. TERMOAUTO d.o.o.
BUNA 154 A
88202 Mostar
482. THEMA D.O.O.
FRA DIDAKA BUNTICA 106
88220 Široki Brijeg
483. TIP-TOP-GUMI d.o.o.
SAFETA ZAJKE BB
75000 Tuzla
484. TOJO-TRADE d.o.o.
PAVLA GORANINA 173
75000 Tuzla
485. WAGEN AG d.o.o.
DŽININA 3
71000 Sarajevo
486. VW OMIC KOMERC d.o.o.
POLJICE BB
75303 Lukavac
487. VILKO D.O.O.
DONJA ZIMCA 14
77231 Visoko
488. TOKIDA doo
LJUBACE 196
75214 Tuzla
489. TRANS-TRGOVINA TUZLA d.o.o.
FOCANSKA 2
75000 Tuzla
490. TRANZIT D.o.o.
BOSANSKOG STANKA BB
77000 Bihać
491. TSP-EUROGUMA d.o.o.
KURTA SCHORKA 9
71000 Sarajevo
492. *TUZLA-REMONT d.d.
ARMIJE BIH 8
75000 Tuzla
493. U.P.T.D. BN-STEP D.O.O.
Donja Lovnica bb.
72220 Zavidovići
494. *VBS D.O.O.
VISOKA GLAVICA BB
88220 Široki Brijeg
495. VELAGIC SPEKTAR d.o.o.
HODŽINAC 50
77240 Bosanska Krupa
496. VEMUS-MAM ZENICA, D.O.O.
ARMIJE BIH 31.
Zenica
497. *VIBAR D.O.O.
VISOKA GLAVICA BB
88220 Široki Brijeg
498. Z & S company d.o.o. TUZLA
BIRCANSKOG ODREDA 40
75000 Tuzla

499. ZEBAX-AUTO-COMPANY d.o.o.
SAFETA ZAJKE 348
71000 Sarajevo
500. ZEKO-PROMET d.o.o.
REDŽE POROBICA BB
74470 Odžak
501. *ZFF-RADIJAL D.O.O.
CRKVICE 10
72000 Zenica
502. ZISS d.o.o.
MUHAMEDA EF. PANDŽE BB
Sarajevo
503. *Scania BH d.o.o.
Mario Marić, direktor
71215 Blažuj-Ilidža, Rakovička cesta
180a
504. Auto Truck Trade Man
Importer BiH d.o.o.
71210 Ilidža, Hifzi Bjelevca 66
505. *MZ-kamion d.o.o.
72230 Žepče, Tatarbudžak bb
506. Auto centar Tomić d.o.o.
88000 Mostar, Bišće Polje bb
507. Autocentar d.o.o.
Predrag Čović, direktor
88220 Široki Brijeg, Fra Didaka
Buntića 27
508. *Unitrade d.o.o.
Marinko Planinić, direktor
88320 Ljubuški, Josipa bana Jelačića
bb
509. AK EL&GO d.o.o.
Jusuf Elezović, direktor
88360 Stolac, Humska bb
510. *Feroda s.z.t.r.
Irfan Begić, vlasnik
71000 Sarajevo, Milana Preloga 15
511. Jap-Car Auto centar ITP d.o.o.
71250 Kiseljak, Han Ploča bb
512. Kovačević auto d.o.o.
Vlatko Kovačević, direktor
80240 Tomislavgrad, Kralja Tvrtka bb
513. UNIS - Automobili i dijelovi d.o.o.
Rafet Toskić, direktor
71000 Sarajevo, Muhameda ef.
Pandže 13
514. Auto servis Bevanda
Ivan Bevanda, vlasnik
88000 Mostar, Buna bb
515. *Paddy Travel d.o.o.
Industrijska zona bb
Marinko Ostojić, direktor
88266 Međugorje, Glavna ulica bb
516. A.S. Auto-centar d.o.o.
Fehim Begagić, direktor
72000 Zenica, Crkvice do br. 66
517. ABC 1968 - Citroen d.o.o.
Bakir Bucalo, direktor
71000 Sarajevo, Ciglanska 28
518. According d.o.o.
Husein Kulović, direktor
75260 Kalesija, Dubnica bb
519. Auto Export Čužić d.o.o.
Srećko Čužić-Srećo
88220 Široki Brijeg, Mokro bb
520. *MZ-kamion
Tatarbudžak bb, 72230 Žepče
521. Auto servis Kemo s.z.r.
Kemal Zahirović
72283 Turbe, Šumarija bb
522. *Autoagent d.o.o.
Ervin Močević, direktor
71000 Sarajevo, Husrefa Redžića 1
523. Autodijelovi D&D Barišić s.t.r.
Drago Barišić, vlasnik
74266 Tešanjka, Kraševo bb
524. Autokuća Jelić d.o.o.
Željko Jelić, director
88220 Široki Brijeg,
Kardinala Alojzija Stepinca 4
525. Auto-servis Pekić-Iveco s.z.r.
Dipl. ing. maš. Ibrahim Pekić, vlasnik
71210 Ilidža, Blažujski drum 3

526. Autoservis SAS s.z.r.
Senad Zukić, vlasnik
72270 Travnik, Kacijan 19
527. Baš bazar d.o.o.
Ramiz Begić, direktor
71370 Breza, Šaš bb
528. Brčko-Gas d.o.o.
Simo Brkić, direktor
76100 Brčko Distrikt, Banjalučka 8
529. Rotorelektronik – Jevđić d.o.o.
Hajduk Veljka 4, 76300 Bijeljina
530. Auto Koca - Lada d.o.o.
Ismet Koca, direktor
71210 Ilidža, Plandište 4b
531. Auto servis E. Jako s.u.r.
Jako Egonjić, vlasnik
72290 Novi Travnik, Rastovci bb
532. *Auto Cvijanović -
Mercedes-Benz
Goran Cvijanović, vlasnik
71250 Kiseljak, Brnjaci 118
533. El-Bosch d.o.o.
Senad Halkić, direktor
77230 Velika Kladaša,
Ibrahima Mržljaka 106
534. *Gumi Merkur d.o.o.
Zdravko Smoljan, vlasnik
88260 Čitluk, Put za Mostar bb
535. Land Rover -
Bosnian British Service d.o.o.
Selvedin Crnčević Dino, direktor
71000 Sarajevo, Braće Begić 27
536. Leon d.o.o.
71000 Sarajevo, Adema Buće 1
537. Mrgo 04 d.o.o.
Danijela Mihaljević, direktor
88320 Ljubuški, Put za Međugorje bb
538. *Pavić komerc d.o.o.
Mijat Pavić, direktor
75212 Mramor-Tuzla, Ljepunice bb
539. *Senković, Autoservis d.o.o.
Titova 108, 76290 Odžak
540. *Cosmos Commerce
Bosne srebrene bb, 75000 Tuzla
541. S-2000 d.o.o. Sarajevo
Željko Smola, direktor
71320 Vogošća, Igmanska 12
542. Servis Wagen AG d.o.o. - PJ br. 1
Dino Škrijelj, direktor
71320 Vogošća, Stara cesta Jezera 3
543. Vermont d.o.o.
71000 Sarajevo, Džemala Bijedića 178
544. A&A Mulić d.o.o.
76290 Odžak, Bosanska 38
545. AC Kapetanović d.o.o.
75000 Tuzla, Trnovac 47
546. ACN d.o.o.
71000 Sarajevo, Safvet-bega Bašagića
bb
547. ADP-Pavlović d.o.o.
88202 Buna, Buna bb
548. *ADP-Pavlović d.o.o. - Opel
Pavlović
88300 Čapljina, Grabovine bb
549. AKM-Autokuća d.o.o.
88324 Klobuk-Ljubuški, Klobuk 132
550. Alfa-Auto d.o.o.
71210 Ilidža, Blažujski drum 18
551. *Amarin Trejd d.o.o.
71240 Hadžići, Hadželi, PC Zujevina
152
552. AS Autoservis s.z.r.
72220 Zavidovići, Safveta bega
Bašagića bb
553. AS Bećirbegović s.z.r.
79260 Sanski Most, Redak bb
554. ASA Autoservis Alijagić s.z.r.
71000 Sarajevo, Hamdije
Kreševljakovića 88
555. ASD d.o.o. - PJ Jajce
70101 Jajce, Mračaj bb

556. *AS-Autoservis z.r.
75260 Kalesija, Kalesijske brigade bb
88220 Široki Brijeg, Put za Međugorje
bb
557. ASD d.o.o. - PJ Mostar
Darko Puljić, voditelj PJ
88000 Mostar, Ortiješ 16
570. Auto kuća Beća d.o.o.
Servisno, transportno i uslužno društvo
72230 Žepče, Stjepana Radića 8
558. ASD d.o.o. - PJ Orašje
Pejo Brezović, voditelj PJ
76270 Orašje, Donja Mahala,
II zona poduzetništva B2
571. Auto kuća Halilović d.o.o.
71000 Sarajevo, Jukićeva 81
559. ASD d.o.o. - PJ Prozor
Anto Nikolić, voditelj PJ
88440 Prozor-Rama, M. Tomića bb
572. Auto servis Arbon s.z.r.
71320 Vogošća, Kobilja Glava bb
560. ASD d.o.o. - PJ Stolac
Tomislav Marčinko, voditelj PJ
88360 Stolac, Podgrad bb
573. Auto servis Auto Biss
72270 Travnik, Zenjak 5
561. *ASD-BP d.o.o.
Senad Kovačević, voditelj PJ
77000 Bihać, Plješevička 57
574. *Auto servis Bagrameli
77000 Bihać, Žrtava fašizma 62
562. Auto Begagić s.z.r.
Nurudin Begagić, vlasnik
72000 Zenica, Sarajevska 101
575. Auto servis Biljaka
72276 Nova Bila, Biljake bb
563. Auto Buljan d.o.o.
Goran Buljan, direktor
70240 Gornji Vakuf-Uskoplje, Pajić
Polje bb
576. Auto servis Dambler benz d.o.o.
71250 Kiseljak, Brnjaci 83
564. *Auto centar - PJ Vitez
Damir Štrbac, direktor
72250 Vitez, PC'96 bb
577. Auto servis Davor s.z.r.
88324 Klobuk-Ljubuški, Klobnik bb
565. Auto centar Babić d.o.o.
Ivan Babić, vlasnik
88440 Prozor-Rama, Kralja Tomislava
bb
578. Auto servis Džafko
71000 Sarajevo, Olovska 52
566. Auto Centar d.d.
Hasib Gazibegović, director
75000 Tuzla, Rudarska 38
579. Auto servis Emi s.z.r.
76100 Brčko Distrikt, Reisa Dž.
Čauševića 19
567. Auto centar Haznadarević
Izudin Haznadarević, vlasnik
71000 Sarajevo, Soukbunar 4-19
580. Auto servis Čolić s.z.r.
88220 Široki Brijeg, Trn bb
568. Auto Delalić d.o.o.
71320 Vogošća, Slatinski put 19
581. *Auto servis Euromag
77240 Bosanska Krupa, Unska bb
569. Auto Čužić s.z.r.
582. Auto servis FM s.z.r.
74250 Maglaj, Liješnica 143
583. Auto servis Gagi s.z.r.
72290 Novi Travnik, Nević Polje 17
584. *Auto servis Galić s.z.r.
Servis za karburatore
71370 Breza, Ismeta Šarića 33
585. *Auto servis Golf s.z.r.
72000 Zenica, Goraždanska 182a

586. Auto servis HR s.z.r.
71000 Sarajevo, Adema Buće 3-5
587. Auto servis i otpad Munja
71000 Sarajevo, Rajlovačka 37a
588. Auto servis Huso
74250 Maglaj, Moševac bb
589. Auto servis i vučna služba
Mikulić s.z.r.
88347 Ružići-Grude, Ružići bb
590. Auto servis Kantić
75212 Mramor-Tuzla, Brgule bb
591. Auto servis Lola s.z.r.
88340 Grude, Herceg Stjepana bb
592. Auto servis Marko
80240 Tomislavgrad, Malog Marijana
bb
593. Auto servis Martić s.z.r.
88307 Višići-Čapljina, Višići bb
594. Auto servis Martinović s.z.r.
74230 Usora, Žabljak bb
595. Auto servis Miro s.z.r.
88344 Drinovci, Drinovci bb
596. Auto servis Pejdo s.z.r.
79220 Novi Grad (Bosanski Novi),
Ive Andrića bb
597. Auto servis s.z.r.
88420 Jablanica, Šljunkara bb
598. Auto servis s.z.r.
74260 Tešanj, Mekiš bb
599. Auto servis s.z.r.
71000 Sarajevo, Rudija Alvađa,
Dobrinja C5 8
600. Auto servis Skela s.z.r.
70101 Jajce, Skele bb
601. Auto servis Sport Car D&M s.z.r.
71000 Sarajevo, Braće Mulić 39
602. Auto servis Šestica d.o.o.
71250 Kiseljak, Brnjaci bb
603. Auto servis Špičić s.z.r.
88240 Posušje, Klesarska bb
604. Auto servis Telalović s.z.r.
72000 Zenica, Goraždanska 18
605. Auto servis Tončo s.z.r.
88320 Ljubuški, Lisice bb
606. Auto servis Turić s.z.r.
72290 Novi Travnik, Rastovci 114
607. Auto servis Univerzal
88240 Posušje, Klesarska, Put za
Imotski bb
608. Auto servis Univerzal s.z.r.
71270 Fojnica, Ostružnica bb
609. Auto servis Vasilj
88000 Mostar, Potoci bb
610. Auto servis Vila d.o.o.
80320 Kupres, Obilaznica bb
611. Auto škola - Servis Stop
78430 Prnjavor, Ratkovac bb
612. Auto servis Vrdoljak
88320 Ljubuški, Juraja Dalmatinca bb
613. Auto Trophy s.z.r.
72290 Novi Travnik, Patriotske lige bb
614. Auto Vrdoljak
88344 Drinovci, Drinovci bb
615. *Autocentar Beganović d.o.o.
72000 Zenica, Vrandučka 57
616. Autocentar E&E s.z.t.r.
617. 71000 Sarajevo, Jukićeva 100
618. Autocentar Jukić d.o.o.
77230 Velika Kladuša
Prve muslimanske brigade (Polje) bb
619. Autocentar s.t.r.
74264 Jelah
Husein-kapetana Gradašćevića bb
620. Automehaničarski servis Božić
72290 Novi Travnik, Fra Marijana
Šunjića bb

621. Autocentar Školjić d.o.o.
74260 Tešanj, Marin Han bb
622. Autocentar-autoservis s.z.r.
74264 Jelah
Husein-kapetana Gradaševića bb
623. Autocontinental d.o.o.
71000 Sarajevo, Banjalučka 25
624. Autokomerc Kujundžić d.o.o.
79280 Ključ, Pudin Han 18
625. Autokuća Alfostar d.o.o.
72250 Vitez, PC'96 bb
626. Automark s.z.r.
74230 Usora, Žabljak bb
627. Automehaničarska radnja
Tate s.z.r.
71300 Visoko, Križ bb
628. Autokuća Bosanac
88347 Ružići-Grude, Ružići bb
629. Automehaničarska radnja ABS
74250 Maglaj, Liješnica bb
630. Autolimarska radionica Eno
88440 Prozor-Rama, Lug bb
631. Autokuća Matošević d.o.o.
72256 Bila-Vitez, Bila 45
632. Automehanika Matošević
74230 Usora, Srednja Omanjska bb
633. Automehanika d.d.
71000 Sarajevo, H. Čemerlića 1a
634. Autoprevoz a.d.
78400 Gradiška, Čede Kovačevića 12
635. Autoprom - Abid d.o.o.
71000 Sarajevo, Himze Polovine 24a
636. Auto-service Burza
70230 Bugojno, Bosanska 106
637. Autoservis
88320 Ljubuški, Ligat bb
638. Autoservis 206 s.z.r.
71210 Ilidža, Pijačna 24b
639. Auto-servis Alk d.o.o.
71340 Olovo, Tuzlanska bb
640. Autoservis Antić
71330 Vareš, Jušići 35
641. *Autoas (Autoservis AS)
80260 Drvar, Fra Filipa Lastrića 1
642. Autoservis AS
88300 Čapljina, Trebižat bb
643. Autoservis AST
88320 Ljubuški, Crnopod bb
644. Auto-servis Auto Start
88208 Potoci-Mostar, Potoci bb
645. Autoservis Avanti s.z.r.
88400 Konjic, Mostarska bb
646. Autoservis Bagi s.z.r.
74250 Maglaj, Tešanjka bb
647. Autoservis Bajrić s.z.r.
75320 Gračanica, Pribava bb
648. Autoservis Bandić
88347 Ružići-Grude, Ružići bb
649. Autoservis Benz
74270 Teslić, Krajiška bb
650. Autoservis Bosal
88340 Grude, Boboška bb
651. Autoservis Bošković-Fudžić
88360 Stolac, Aladinići bb
652. Autoservis Braća Pavlović
88266 Međugorje, Međugorje bb
653. Autoservis Braco s.z.r.
88440 Prozor, Lug bb
654. *Autoservis Bulum
88300 Čapljina, Dračevo bb
655. Auto-servis Cicko
72290 Novi Travnik, S. Tomaševića 23
656. Autoservis Crna žena
16. muslimanske brigade 1
73000 Goražde

657. Autoservis d.d.
70220 Donji Vakuf, 14. septembra bb
658. Autoservis Darko
88240 Posušje, Karamatići bb
659. Autoservis
88201 Blagaj-Mostar, Put za Blagaj bb
660. Autoservis Čamo
88390 Neum, Put Sv. Ante bb
661. Auto-servis Džeri
88000 Mostar, Vrapčići bb
662. Autoservis Dino
71000 Sarajevo, Gradačaka bb
663. Autoservis Deas s.z.r.
71320 Vogošća, Igmanska 10
664. Autoservis Golf s.z.r.
88220 Široki Brijeg, Trn 93
665. Auto-servis Električna s.z.r.
88000 Mostar, Fra Didaka Buntića
106a
666. Autoservis Elko s.z.r.
75290 Banovići, Radnička bb
667. Autoservis Čola s.z.r.
74260 Tešanj, Mekiš bb
668. Auto-servis Frko
88000 Mostar, Bišće Polje bb
669. Auto-servis Gold
74250 Maglaj, Treća ulica 29
670. Auto-servis Fijat s.z.r.
71000 Sarajevo, Jukićeva 100
671. Autoservis Filipović d.o.o.
72230 Žepče, Donji Lug bb
672. Autoservis Hama
88400 Konjic, Čelebići bb
673. Autoservis Hare s.z.r.
88400 Konjic, Čelebići bb
674. *F1 Sarajevo
675. Autoservis Hazna s.z.r.
76250 Gradačac, Hazna bb
676. Autoservis Hero s.z.r.
72220 Zavidovići, Zlatnih ljljana bb
677. Arifagić d.o.o.
Maglaj
678. *Auto Start d.o.o. (vl. Mirsad Vrce)
Potoci bb, Mostar
679. *Autoservis HH s.z.r.
75290 Banovići, Branilaca Banovića bb
680. Auto-servis Hidić s.z.r.
75290 Banovići, Pionirska bb
681. Auto-servis Hodo s.z.r.
73206 Mravinjac-Goražde, Mravinjac
bb
682. Autoservis Hodžić s.z.r.
74260 Tešanj, Dobropolje bb
683. Auto-servis i praona H-R s.z.r.
71000 Sarajevo, Safvet-bega Bašagića
38a
684. Autoservis i šlep služba s.z.r.
71000 Sarajevo, Kupreška 4
685. Auto-servis Igman d.d.
71210 Ilidža, Samira Čatovića Kobre
10
686. Autoservis Igor
80101 Livno, Zaobilaznica bb
687. Autoservis Ikela s.z.r.
88240 Posušje, Put za Tomislavgrad
bb
688. Autoservis Iviž s.z.r.
88240 Posušje, Južna obilaznica bb
689. Autoservis Izo s.z.r.
75328 Soko, Soko bb
690. Autoservis Jerko s.z.r.
88320 Ljubuški, Međugorska bb
691. Autoservis Jurković s.z.r.
71250 Kiseljak, Gromiljak 146

692. Auto-servis Keko s.z.r.
72290 Novi Travnik, Ratanjska bb
693. Auto-servis Kerim s.z.r.
72000 Zenica, Blatuša bb
694. Auto-servis kod Ede s.z.r.
72220 Zavidovići, Zlatnih ljljana bb
695. Autoservis kod Miceta s.z.r.
71250 Kiseljak, Zenički put bb
696. Autoservis kod Seje s.z.r.
74203 Šije, Šije bb
697. Auto-servis Kondžić
74264 Jelah, Jelah Polje bb
698. Autoservis Lerta s.z.t.r.
71320 Vogošća, Stara cesta bb
699. Autoservis Loša s.z.r.
71000 Sarajevo, Safeta Zajke 204
700. Autoservis Luketina s.z.r.
70240 Gornji Vakuf-Uskoplje,
Josipa bana Jelačića bb
701. Autoservis Maksić s.z.r.
80260 Drvar, Braće Radić bb
702. Autoservis Matuško
703. 88390 Neum, Dubrovačka 5
704. Autoservis Mercedes s.z.r.
71250 Kiseljak, Brnjaci bb
705. Autoservis Mercedes-Benz Planinić
88260 Čitluk, Blizanci-Padine bb
706. Autoservis M-F Jukić
80240 Tomislavgrad, Bukovica 198
707. Autoservis Miro s.z.r.
88340 Grude, Hrvoja Vukčića
Hrvatinića bb
708. Autoservis Moto Hota s.z.r.
71210 Ilidža, Aleja Bosne srebrene 60
709. Autoservis MRM d.o.o.
88320 Ljubuški, Josipa bana Jelačića
bb
710. Autoservis Musagić s.z.r.
70101 Jajce, Naselje Hrast bb
711. Auto-servis New start s.z.r.
72220 Zavidovići, Zlatnih ljljana bb
712. Auto-servis O&M d.o.o.
88420 Jablanica, Magistralni put M 17
bb
713. Auto-servis Omega
71210 Ilidža, Nike Kolumbića 2
714. Autoservis Orion d.o.o.
76233 Domaljevac-Šamac,
Posavskih branitelja 59
715. Autoservis Paškić s.z.r.
88340 Grude, Prispa bb
716. Autoservis Pola s.z.r.
72220 Zavidovići, Zlatnih ljljana bb
717. Autoservis Prvi s.z.r.
71240 Hadžići, Binježevo 1
718. Autoservis Rašić s.z.r.
88320 Ljubuški, Veljaci bb
719. Auto-servis Roto s.z.r.
74260 Tešanj, Marin Han bb
720. Autoservis s.z.r.
74230 Usora, Srednja Omanjska bb
721. Autoservis s.z.r.
74260 Tešanj, Ali-paše Hećimovića bb
722. Autoservis s.z.r.
72240 Kakanj, 5. divizije 31
723. Autoservis s.z.r.
74203 Matuzići, Matuzići bb
724. Autoservis s.z.r.
80101 Livno, Vidoši bb
725. Auto-servis s.z.r.
71300 Visoko, Podvisoki 100
726. Auto-servis Safet s.z.r.
71000 Sarajevo, Safeta Zajke 187

727. Auto-servis Senator
88000 Mostar, Bišće Polje bb
728. Autoservis Sivić s.z.r.
74264 Jelah, Potočani bb
729. Autoservis Šemo s.z.r.
79280 Ključ, Velagići, I zona bb
730. Auto-servis Šićo s.z.r.
88240 Posušje, Čitluk bb
731. Auto-servis Tibi
75212 Mramor-Tuzla, Dobrnja 228
732. Auto-servis Tica s.z.r.
71300 Visoko, Gornje Rosulje 62
733. Autoservis Tolo s.z.r.
71250 Kiseljak, Kreševska cesta bb
734. Autoservis Tomas s.z.r.
88320 Ljubuški, Crnopod bb
735. Autoservis Topal s.z.r.
77243 Vrhovska-Bužim, Vrhovska bb
736. Autoservis Total s.z.r.
76270 Orašje, 6. ulica 13a
737. Autoservis Valvolin
71000 Sarajevo, Vrbovska 1
738. Autoservis Velešići s.z.r.
71000 Sarajevo, M. ef. Pandže 55
739. Autoservis Zijo s.z.r.
71250 Kiseljak, Sarajevska cesta bb
740. Autoservis Zoka
74230 Usora, Srednja Omanjska bb
741. Autoservis Žerić s.z.r.
70101 Jajce, S. Tomaševića 64
742. Autotehnik d.o.o.
71320 Vogošća, Kobilja Glava 162
743. B+S+S d.o.o.
70101 Jajce, Dalmatinska 1
744. Baki 1 s.z.r.
77220 Cazin, Ćoralići bb
745. *Bald d.o.o.
75280 Kladanj, Luke 14e
746. Begović d.o.o.
77000 Bihać, Jablanska 273
747. *Bessing d.o.o.
74264 Jelah, Husein-kapetana
Gradaščevića bb
748. BGL Commerce d.o.o.
88240 Posušje, Kovači bb
749. *Billy d.o.o.
71000 Sarajevo, Kupreška 43
750. BMM d.o.o. – Autoservis
72000 Zenica, Goraždanska 68
751. BMW Autoservis Nikica
88000 Mostar, II rudničke bojne 37
752. *Bosmont d.o.o.
71000 Sarajevo, Aleja Bosne srebrene
57
753. Boša auto djelovi
88000 Mostar, Kralja Petra Krešimira
33a
754. Croatia-Hercegovina Auto d.o.o.
88000 Mostar, Kneza Domagoja 11
755. *Dijagnostika MG d.o.o.
76250 Gradačac, Bagdale 40
756. Crown-Agents, Auto servis
71000 Sarajevo, Džemala Bijedića 178
757. Doz d.o.o.
75357 Tinja-Srebrenik, Tinja bb
758. Elektro-Mašić d.o.o.
76250 Gradačac, VI bataljona bb
759. EM Auto 3 s.z.r.
71210 Ilidža, Džemala Bijedića 291
760. Emotep d.o.o.
75260 Kalesija, Kalesijska bb
761. Eurobenz d.o.o.
88340 Grude, Sovići bb

762. Euroservis d.o.o.
88220 Široki Brijeg, Trn bb
763. Euroservis d.o.o.
88300 Čapljina, Tasovčići bb
764. Extra still d.o.o.
77220 Cazin, Ćoralići bb
765. Faeš d.o.o.
75270 Živinice, 1. ulica 75
766. Famah s.z.r.
72230 Žepče, Donja Golubinja bb
767. Galini, servis autoelektrike s.z.r.
88320 Ljubuški, Put za Međugorje bb
768. Gaz auto
75000 Tuzla, Mahmuta Bušatlije 23
769. Graps d.o.o.
76250 Gradačac, Sarajevska bb
770. Grič d.o.o.
72290 Novi Travnik, R. Boškovića bb
771. Gumi com s.z.r.
88320 Ljubuški, Humac bb
772. Gušić d.o.o.
75300 Lukavac, Majevičkih brigada bb
773. Hen d.o.o.
72000 Zenica, Bistua Nuova 2
774. HM Auto s.z.r.
88320 Ljubuški, Humac 1
775. *Intermobil autoservis d.o.o.
88220 Široki Brijeg, Mosorska 1
776. Iskra-Comerc d.o.o.
76100 Brčko Distrikt, Plazuljska 22
777. Jole d.o.o.
72230 Žepče, Donje Ravne bb
778. Juriša s.z.r.
88260 Čitluk, Blizanci bb
779. Kadić impex d.o.o.
77240 Bosanska Krupa, V korpusa bb
780. Karameho d.o.o.
71000 Sarajevo, Kupreška 9
781. Kasupović d.o.o. - Servis,
maloprodaja i salon automobile
77000 Bihać, Pritoka bb/
Dr. Irfana Ljubijankića 65
782. *Korda d.o.o.
71210 Ilidža, Latička 71
783. KS Cabrio d.o.o.
71000 Sarajevo, Jukićeva 77
784. Mehanička radnja Service Bosch
s.z.r.
88300 Čapljina, Trebižat bb
785. Mehanika s.z.r.
75300 Lukavac, Armije BiH bb
786. Mercedes Benz service s.z.r.
88320 Ljubuški, Juraja Dalmatinca bb
787. Metalmerc d.o.o.
71250 Kiseljak, Zenički put bb
788. Mijo-Kovač d.o.o.
88320 Ljubuški, Sestara Milosrdnica 4
789. Mini servis Lulić
71000 Sarajevo, Kasima Hadžića 1
790. Mini-servis Auto-usluge
71000 Sarajevo, Safeta Zajke 12
791. Mostar Auto d.o.o.
88000 Mostar, Blaiburških žrtava bb
792. Muminović, auto servis d.o.o.
75350 Srebrenik, M. Ramića bb
793. *Nesam d.o.o.
75320 Gračanica
Branilaca kule grada bb
794. Nesam d.o.o. Auto servis Centar
PJ Srebrenik, 75350 Srebrenik,
Špionica bb
795. Neš d.o.o.
76250 Gradačac, Krepski put bb

796. *Nuić d.o.o. – Autoservis
88320 Ljubuški, Crnopod bb
797. Opel-servis s.z.r.
74254 Novi Šeher, Novi Šeher bb
798. Parić-komerc d.o.o.
75290 Banovići, Branilaca Banovića bb
799. Pile, auto servis s.z.r.
72220 Zavidovići, Sarajevska bb
800. Planinić
88266 Međugorje, Miletina bb
801. Point MS, Automehaničar i
vulkanizer
79260 Sanski Most, Alagića polje bb
802. Polić servis d.o.o.
88240 Posušje, Kuša bb
803. Polić servis d.o.o. Posušje -
Podružnica Sarajevo
71215 Blažuj, Vlakovo 10
804. Polićtrans d.o.o.
88240 Posušje, Meljakuša bb
805. Poljotra d.o.o.
71210 Ilidža, Dž. Bijedića 202
806. *Prozor-benz d.o.o.
807. 88440 Prozor-Rama, Lug bb
808. Radial d.o.o.
77240 Bosanska Krupa, Bihaćka bb
809. Remont-Merc d.o.o.
70230 Bugojno, Podgaj bb
810. *Remont-zanat d.o.o.
74207 Doboj Istok, Brijesnica Mala bb
811. Risović Commerce d.o.o.
79280 Ključ, Branilaca BiH bb
812. SAF Commerce d.o.o.
88320 Ljubuški, Mostarska vrata bb
813. Safety Car z.t.r.
71210 Ilidža, Stupsko Brdo 12
814. Samir Akimov -
Autoelektričar-automehaničar
77220 Cazin, Gnjilavac bb
815. Saradis d.o.o.
71320 Vogošća, Gornji Hotonj do br. 1
816. Sava trgovina d.o.o.
71000 Sarajevo, Briješčanska bb
817. Selak d.o.o.
88260 Čitluk, Neretvanska bb
818. Service Bosch pumpe
88000 Mostar, Titova 241b
819. *Servis Hadžihasanović s.z.r.
75320 Gračanica, Industrijska zona bb
820. Servis Jukić-Mercedes Benz d.o.o.
80101 Livno, Mali Guber bb
821. Servo Mobil Tuzla d.o.o.
75000 Tuzla, Krojčica 69
822. Slipac s.z.r.
70230 Bugojno, Polje IV 4
823. Smailbegović d.o.o.
71370 Breza, Bosanskih namjesnika
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824. Speed s.z.r.
71000 Sarajevo, Lukavička cesta 13
825. Sprint J&E s.z.r.
79260 Sanski Most, Vedro Polje 1
826. Strojorad
71000 Sarajevo, Topal Osman-paše
bb
827. Stuhli Auto d.o.o.
75000 Tuzla, Bosne srebrene, SKC
Mejdan bb
828. Style-Ji d.o.o.
71210 Ilidža, Rustempašina 14
829. Suljić, Autoservis s.z.r.
76270 Orašje, Peta ulica 5

830. Sunce-autoservis s.z.r.
Proleterskih brigada 2
88420 Jablanica
831. Škoda servis d.o.o.
88000 Mostar, Blaiburških žrtava bb
832. Tehnički remontni zavod Hadžići
d.d. Šestog marta bb
71240 Hadžići
833. Timko d.o.o. - PJ Brčko Distrikt
76100 Brčko Distrikt, Plazulje bb
834. UNIS - PSC d.o.o.
71320 Vogošća, Muje Šejte 7
835. Univerzal-Autoservis s.t.r.
71250 Kiseljak, Brnjaci bb
836. Yugo-servis s.z.r.
71000 Sarajevo, Vrbovska 26
837. Zvizdić Company
71000 Sarajevo, M. Marulića 16
838. A&N Pokrajčić d.o.o.
80240 Tomislavgrad, Kralja Zvonimira
bb
839. AC Boras d.o.o.
88000 Mostar, Konjusi, Buna bb
840. AC Krželj d.o.o.
80101 Livno, Splitska bb
841. ASA PSS d.o.o.
71000 Sarajevo,
Trg međunarodnog
prijateljstva bb
842. ASD-VT d.o.o.
72250 Vitez, Dubravica bb
843. AFA-Racing d.o.o.
71321 Semizovac-Vogošća,
Željeznička bb
844. AC Quattro d.o.o
71000 Sarajevo, Put života 1
845. Agent d.o.o.
88000 Mostar, Stjepana Radića bb
846. Auto Botić d.o.o.
71370 Breza, Rudarska bb
847. Autokuća Smajlović d.o.o.
Previle bb
75 357 Tinja – Srebrenik
848. Bunjo Privatno Preduzeće
ALIPAŠINA bb
71 000 Sarajevo
849. ACN
Bazerdžani 1
71000 Sarajevo
850. *COSMOS COMMERCE
Bosne srebrene bb
75000 Tuzla
851. Auto-servis Omerčić d.o.o.
Ormanica bb
76250 Gradačac
852. Auto Truck Man Importedr BiH
d.o.o.
71210 Ilidža, Hifzi Bjelevca 66
853. LKW City-iveco d.o.o.
Stojkovići bb
72290 Novi Travnik
854. Auto dijelovi Srebrenik s.t.r.
75350 Srebrenik, Ibrahima Cvike 3
855. Auto kuća Kamo d.o.o.
88347 Ružići-Grude, Ružići bb
856. *Auto kuća Uno d.o.o. -
Ovlaštena prodaja i servis Škoda auta
74260 Tešanj, Raduša bb
857. *Automehaničarska radnja
Kurdić s.z.r. Piljočići bb 74264 Jelah
858. Auto Mertz Sasa d.o.o.
76100 Brčko Distrikt,
Osmana Derviševića, Ivici bb
859. Auto moto Karting klub Jajce
70101 Jajce, Skela bb
860. Auto servis Edi s.z.r.
75320 Gračanica, Podrinjska 4

861. Auto servis Lauda s.z.r.
71000 Sarajevo, Sulejmana Filipovića
do br. 5
862. Auto Shop Cavallino d.o.o.
72000 Zenica, Goraždanska 14
863. Auto stil d.o.o.
77220 Cazin, Kapići bb
864. *Autocentar BH d.o.o. Sarajevo -
Podružnica Zenica
72000 Zenica, Zmaja od Bosne 27
865. *Auto BH Komerc
Kolodvorska 123
77240 Bosanska Krupa
866. Autocentar SUS d.o.o.
75270 Živinice, Magistralni put, Maline
bb
867. Autocomerc Bihać d.d.
77000 Bihać, 5. korpusa 26
868. *Berlina d.o.o.
Bihać
869. Autodijelovi Barišić s.t.r.
74264 Jelah, Rosulje bb
870. Leon d.o.o.
Jelah
871. Automehaničarska radiona szr
vl. M. Avdagić, Gradačac
872. Autodijelovi Žutka str
Čapljina
873. Autoelektričar Mrki szr
Doboj Istok - Brijesnica Mala
874. Auto-kontakt doo
Bužim
875. Automehaničarska radnja
Omerhodžić
Doboj Istok - Klokočnica
876. Autoservis Bajić
Posušje
877. Autoservis Bertović szr
Bila-Vitez
878. Auto-servis Danijel szr
Kiseljak
879. Autoservis Enes i šlep služba szr
Zenica
880. Autoservis Hemax
Tešanj
881. Autoservis i praonica Gagić szr
Sarajevo
882. Autoservis Juse
Soko
883. Baos d.o.o.
Lukavac
884. Benedikt Kordić doo
Ljubuški
885. Bos-auto szr
Kiseljak
886. Bosna d.o.o.
Maglaj
887. City centar-A d.o.o.
Hadžići
888. Crni vrh d.o.o.
Tešanj
889. Dodex szr
Kiseljak
890. Đuli-commerce d.o.o.
Automehaničarska radnja
Bihać
891. Džafosen d.o.o.
Čelić
892. Čavkić d.o.o. Bihać -PJ Cazin
Cazin
893. Čilić szr
Jablanica
894. Eurobiser d.o.o.
Prozor
895. Fahd d.o.o.
Bihać

896. Fau-Wee - Autoservis szr
Sarajevo
897. Gradactrans d.o.o.
Jablanica
898. Gradina Petrol d.o.o.
Voljevac
899. Ibrahimović szr
Hadžići
900. Koni 2 d.o.o.
Bugojno
901. Lemanija d.o.o.
Gračanica
902. Lemanija d.o.o.
Lukavac
903. Lozančić d.o.o. - PJ br.1
Novi Travnik
904. Margetić d.o.o.
Brčko
905. Max Auto Profi ztr
Brčko
906. MB Lipovača d.o.o.
Bihać
907. Meske szr
Lukavac
908. Mikron Buljan d.o.o.
Livno
909. Mototurs d.o.o.
Vogošća
910. Mujkić z.r.
Vražići-Čelić
911. Neuron Commerce d.o.o.
Sarajevo
912. OMBK-Trade d.o.o.
Gradačac
913. Opel servis Sulić szr
Bihać
914. Pljasković auto d.o.o.
Brčko
915. Polićtrans Sarajevo d.o.o.
Blažuj
916. Privredno društvo za auto-moto
usluge i promet d.o.o.
Zenica
917. Prvi, Auto servis szr
Binježevo
918. Ramalado d.o.o.
Sarajevo
919. Sabe-komerc d.o.o.
Zenica
920. Sams d.o.o.
Sarajevo
921. Sangyong auto d.o.o.
Sarajevo
922. Standox szr
Doboj Istok - Klokočnica
923. Šandor d.o.o.
Sarajevo
924. Šiljak d.o.o.
Ilidža
925. Tanin d.o.o.
Visoko
926. Tehnički pregled i autoservis
Mercedes-Benz d.o.o.
Ružići-Grude
927. Telekom d.o.o. -
Tehnički pregled vozila
Gornji Vakuf - Uskoplje
928. Tucakmobil d.o.o.
Široki Brijeg
929. Turbo Mehanic sztr
Sarajevo
930. Vento sztr
Visoko

931. Vučna služba i autoservis
Zeleni signal
Donji Vakuf
932. Vulkan szr
Gornji Vakuf-Uskoplje
933. Vuklanizerski servis i
autopraona suztr
vl. S. Slipac
Novi Travnik
934. Zovko d.o.o. - Autosalon
i servis Živinice
Živinice
935. Auto servis Boras
Ljubuški
936. Automehaničar
A.Stačevića/Garaže bb
Mostar
937. Automehaničar
Fra Didaka Buntića
Mostar
938. Automehaničar Ajanić
Čapljina/Dretelj
939. Automehaničar Dugalić szr
Tešanj
940. Automehaničar Edo
Sarajevo (Drinska bb)
941. Automehaničar Eri szr
Sarajevo
942. Automehaničar Čupo szr
Sarajevo
943. Automehaničar Hotić szr
Jelah / Vukovo
944. Automehaničar Ibro szr
Žepče
945. Automehaničar Meša
Jelah
946. Automehaničar szr.
Ljubuški/J.b.Jelačića bb
947. Automehaničar szr
Gračanica, 111.ulica br. 46
948. Automehaničar szr
Sarajevo/Nahorevska 141
949. Automehaničar Suki
Sarajevo
950. Automehaničarska i vulkaniz.radnja
Mujdo
Stjepan Polje - Gračanica
951. Automeh. radiona i praona
Taški szr Jajce
952. Automehaničarska radiona szr
vl. N. Huseinbašić
Mionica/Gradačac
953. Automehaničarska radionica
vl. R. Duraković
Gradačac
954. Automehaničarskad radionica
Žare str Kiseljak
955. Automehaničarska radnja
vl. Zuhdija Hodžić
Velika Kladuša
956. Automehaničarska radnja
Kolodvorska bb/Sarajevo
957. Automehaničarska radnja Ado
Lukavac
958. Automehaničarska radnja AE s.r.
Sarajevo
959. Automehaničarska radnja Huso
Sarajevo, A. Šeremeta bb
960. Automehaničarska radnja Juka
Adema Buće 6, Sarajevo
961. Automehaničarska radnja
Jusić szr
Zenica
962. Automehaničarska radnja
Kurdić szr Jelah
963. Automehaničarska radnja Lauda
Nahorevska 240a, Sarajevo

964. Automehaničarska radnja
M. Majić szr
Ljubuški
965. Automehaničarska radnja
Mercedes-BSP s.p.
Gornji Rahić/Brčko
966. Automehaničarska radnja Meri
Maglaj
967. Automehaničarska radnja Musnus
Sarajevo
968. Automehaničarska radnja
Omerhodžić
Doboj Istok - Klokočnica
969. Automehaničarska radnja
Petričević szr
Ljubuški
970. Automehaničarska radnja szr
vl. Tasin Okić, Lukavac
971. Automehaničarska radnja -
Servis Drinčić szr
Sokolac
972. Automehanika szr
Tešanj
973. Autopraonica i mehaničarska
radnja Dino
Visoko
974. *Autoremont d.o.o.
Cazin
975. Auto-servis Ćosić str
Brka-Brčko
976. Autoservis Babić szr
Visoko
977. Autoservis Čivčija
Gornji Vakuf-Uskoplje
978. Autoservis Saša szr
Konjic
979. Blitz s.p. Brčko
980. Bravar automehaničar szr
Kreševo
981. Gula d.o.o.
Gradačac
982. Jugović d.o.o.
Visoko
983. LKW Vlaho, autoservis
Mostar
984. Man szr
Maglaj
985. Mehaničar
Bijeli Brijeg II b/Mostar
986. Omega szr
Stolac
987. Poslednja šansa - Bajdo szr
Tešanj
988. Prompt d.o.o.
Brka-Brčko
989. Rekord Ilijaš szr
Ilijaš
990. Autoservis RO
Sarajevo
991. Beg servis d.o.o.
Cazin
992. Bosch servis szr
Čitluk
993. Kompas auto-servis sztr
Goražde
994. Mikron servis - ovl- zastupnik za
Nissan
Sarajevo
995. Rekić Autoschop d.o.o.
Bosanska Krupa
996. Rottweler szr
Goražde
997. Tiga-AS szr
Goražde
998. Monolit d.o.o.
Tuzla

999. NAM group d.o.o.
Bugojno
1000. TAMEK-SON Company d.o.o.
Sarajevo
1001. Velagić spektar d.o.o.
Bosanska Krupa
1002. *HidroRing d.o.o. (više nisu
autoservis)
Husejn-kapetana Gradaševića bb
74264 Jelah
1003. *Autoservis Stanišljević
Elezagići bb
78418 Nova Topola
1004. *Automehaničarska radionica
Milinković
76300 Bijeljina
1005. Autokomerc a.d.
74000 Doboj, Nikole Pašića 5
1006. Autoprevoz a.d.
Čede Kovačevića 12
78400 Gradiška
1007. Autorad
Pelagićevo 648
76256 Pelagićevo
1008. Volex-mobil Volvo d.o.o.
78250 Laktaši, Jakupovci bb
1009. *Mašinski servis UPP a.d.
78418 Nova Topola, Srbački put 140
1010. Matine -Centar za japanska vozila
d.o.o.
78252 Trn-Laktaši, Cara Dušana 40
1011. Serviskomerc P4 d.o.o.
79101 Prijedor, Svale bb
1012. Auto Plus d.o.o.
78000 Banja Luka, Put srpskih
branilaca 33
1013. Autocit d.o.o.
78000 Banja Luka, Marka Lipovca 165
1014. O.K.M.T. d.o.o. - Tranzit petrol
78400 Gradiška, Avde Ćuka bb
1015. Palačković - Salon automobila
d.o.o.
78000 Banja Luka, Branka Popovića
56
1016. Agro-Auto d.o.o.
70260 Mrkonjić Grad, Brdo bb
1017. Aleksandar & Company d.o.o.
74400 Derventa, Željeznička bb
1018. Amortizer servis s.z.r.
75400 Zvornik, Karakaj bb
1019. Amortizer servis s.z.r.
74000 Doboj, Auto pijaca bb
1020. ASD-BL d.o.o. - PJ Banja Luka
78000 Banja Luka,
Put srpskih branilaca bb
1021. Auto - IN d.o.o. - Servis za Suzuki i
Hyundai
78430 Prnjavor, Jovana Dučića 5
1022. Auto Binjaš
79101 Prijedor, Svale bb
1023. Auto servis
74480 Modriča, Cara Lazara bb
1024. Auto servis Bato
75400 Zvornik
1025. Auto servis Bole s.z.r.
74480 Modriča, Riste Mikičića bb
1026. Auto servis Dado
74400 Derventa, Svetog Save bb
1027. Auto servis Denči
74000 Doboj, Dobojskih brigada 82
1028. Auto servis Čiča
74270 Teslić, Krajiška bb
1029. Auto servis Gavrić
75400 Zvornik, Karakaj bb
1030. Auto servis Gavrilović s.z.r.
74400 Derventa, Derventski Lug bb
1031. Auto servis Maxima
74480 Modriča, Babića Most 1

1032. Auto servis NP
71123 Istočno Sarajevo, Vojvode
Putnika 2
1033. Auto servis Spin s.z.r.
71420 Pale, Derventa bb
1034. Auto servis Start
76300 Bijeljina, Komitska 46
1035. *Auto servis Vuković
74450 Brod, Brodskog bataljona bb
1036. Autocentar s.z.u.r.
78430 Prnjavor, Ratkovac 51
1037. Autoservis Centar
78000 Banja Luka, Ivana Frane Jukića
11
1038. Autoservis Diagnostic
78000 Banja Luka, Marka Lipovca 50a
1039. Auto-servis Igor
78000 Banja Luka, Braće Podgornik
37c
1040. Autoservis Inđić
78000 Banja Luka, S. Stojanovića 30
1041. Autoservis Janić s.z.r.
74000 Doboj, Nikole Tesle 47
1042. *Autoservis Kahrmanović s.z.r.
74270 Teslić, Gornji Teslić bb
1043. Autoservis Lemi s.z.r.
74400 Derventa, Derventski Lug bb
1044. Autoservis MM s.z.r.
71123 Istočno Sarajevo, Gornji
Kotorac 22
1045. *Autoservis Moca s.z.r. ("odselio")
73240 Višegrad, Vojvode Stepe
Stepanovića bb
1046. Autoservis Motorrenovering - Lekić
s.z.r.
78000 Banja Luka, Školska 2
1047. Autoservis Munja
74270 Teslić, Krajiška bb
1048. Autoservis NP
73240 Višegrad, S. Sinđelića 43
1049. Autoservis NP - Šlep služba
71123 Istočno Sarajevo, Jovana
Raškovića 2
1050. Autoservis Vico
Pionirska bb
79220 Novi Grad
1051. Autoservis s.z.r.
74000 Doboj, Pločnik 1
1052. Auto-servis Stevanović s.z.r.
74270 Teslić, Ružević bb
1053. Autoservis Vaselić s.z.r.
74270 Teslić, Donji Ružević bb
1054. Auto-servis Vidović d.o.o.
78000 Banja Luka, Prote N. Kostića 1
1055. Autoservis Mars
Banjalučka bb
79220 Novi Grad
1056. Auto-servis Volkswagen
74270 Teslić, Petra Jokića bb
1057. BDS Prijedor
79101 Prijedor, Orlovci bb
1058. BMV Servis Đene d.o.o.
78000 Banja Luka, Podgorička 25
1059. Bojanić s.z.r.
78418 Nova Topola-Gradiška,
Dušanovo bb
1060. *Bosch Car service d.o.o.
74000 Doboj, Makljenovac bb
1061. Bosch Marić s.z.r.
75400 Zvornik, Meterize bb
1062. Bosch servis s.z.r.
74000 Doboj, Nikole Tesle bb
1063. Brkić servis
78000 Banja Luka, Pavlovac 74
1064. Crown-Agents Autoservis d.o.o.
78000 Banja Luka, Jug Bogdana bb

1065. Dunja d.o.o.
76300 Bijeljina, Raje Banjičića 137a
1066. Edi s.z.r.
78400 Gradiška, Savska bb
1067. FAM-JM Company
74480 Modriča, Hajduk Veljkova 63
1068. Tehnos d.o.o.
76300 Bijeljina, Raje Banjičića 87
1069. Serviskomerc P4 d.o.o. - PJ
Kozarska Dubica
79240 Kozarska Dubica, Cvijićeve bb
1070. Servis Bosh pumpi
75400 Zvornik, Karakaj bb
1071. Autoservis Miljić s.z.r.
74270 Teslić, Donji Ružević bb
1072. *Agić Company d.o.o.
78252 Trn-Laktaši, Vase Čarapića bb
1073. AUTORAD
Pelagićevo 648
76256 Pelagićevo
1074. Volex-mobil Volvo d.o.o.
78250 Laktaši
Jakupovci bb
1075. Sas neven d.o.o.
78240 Čelinac, Miloša Dujica bb
1076. Radonja s.z.r.
71123 Istočno Sarajevo, Cara Dušana
3
1077. Polysistem Renault d.o.o.
76300 Bijeljina, Račanska cesta bb
1078. Pit-Stop d.o.o.
74317 Petrovo, Sočkovac bb
1079. Pejašinović d.o.o.
78430 Prnjavor
Vojvode Stepe Stepanovića 45
1080. Pan Auto NC d.o.o.
74480 Modriča, Svetosavska bb
1081. Palačković d.o.o.
78000 Banja Luka, M. Popovića 24
1082. *NM Calibra d.o.o.
74400 Derventa, Miškovci bb
1083. NB auto servis s.z.r.
76300 Bijeljina, Obrijež bb
1084. Milovanović, Ovlašteni zastupnik za
Mazdu
78420 Srbac, Save Vujanovića Žuće 8
1085. Mercedes-Benz servis – Krivaja
78000 Banja Luka, Simeuna Đaka 33
1086. Krcko Ford servis s.z.r.
78000 Banja Luka, Ivana Gorana
Kovačića 187
1087. Jevđenić s.z.r.
78400 Gradiška, Put srpske vojske bb
1088. Goja s.z.r.
78400 Gradiška, Put srpske vojske bb
1089. Gas-alternativa s.z.r.
78000 Banja Luka, Kozarska 57
1090. Autokomerc a.d.
74000 Doboj, Nikole Pašića 5
1091. Florida d.o.o.
76300 Bijeljina, Hilandarska bb
1092. Gajić, Auto servis s.z.r.
76300 Bijeljina, Kneza Ive od
Semberije bb
1093. Gas Sistem d.o.o.
78000 Banja Luka, Stevana Bulajića
134c
1094. Klindić komerc d.o.o.
78000 Banja Luka, Branka Popovića
38
1095. Intergaj d.o.o.
76300 Bijeljina, Ive Andrića 44
1096. Formula d.o.o.
76300 Bijeljina, Račanska 12
1097. Dukić Komerc - Master Auto
78000 Banja Luka, Milana Radmana 5

1098. *Drinatrans a.d.
75400 Zvornik, Karakaj bb
1099. Timko 2 d.o.o. - Poslovna jedinica
Bijeljina
76300 Bijeljina, Put za Pavlovića most
bb
1100. V.A.G. auto servis s.z.r.
76300 Bijeljina, Srpske vojske 246
1101. Vam d.o.o.
73280 Čajniče, Vrelo 3
1102. Volkswagen servis Lukić s.z.r.
74450 Brod, Stadionska 35
1103. Z & G o.z.r.
74000 Doboj, Krnjinskih srpskih
brigada 145
1104. Zastava auto a.d.
78000 Banja Luka, Dr. Mladena
Stojanovića 111
1105. Auto centar Banja Luka d.o.o.
78000 Banja Luka, Trive Amelice 1b
1106. *Auto servis Zoka s.z.r.
74000 Doboj, Pridjel bb
1107. *Autokuća Jajčević d.o.o.
78000 Banja Luka, Knjaza Miloša 26
1108. Autopraonica-servis Boni Simo
d.o.o.
74480 Modriča, Cara Dušana bb
1109. Autoservis Astra s.z.r.
76300 Bijeljina, Modran bb
1110. *BMW autoservis Đene
Podgorička 25
78000 Banja Luka
1111. Braća Milutinović d.o.o.
74000 Doboj, Krnjinskih brigada 175
1112. Dami d.o.o.
76300 Bijeljina, Galac 11
1113. *Z. Vučanović d.o.o. - Euro
standard
- 78220 Kotor Varoš, Svetozara Miletića
46
1114. Bosch Car service d.o.o.
74000 Doboj, Makljenovac bb
1115. Auto servis Spin s.z.r.
71420 Pale, Derventa bb
1116. Motocommerce d.o.o.
78000 Banja Luka, Knjaza Miloša 81
1117. Servis Bosh pumpi
78400 Gradiška, M. Selimovića bb
1118. Tehnički pregled i autoservis Zlata
d.o.o.
74270 Teslić, Barić bb
1119. *TRSS commerce d.o.o.
79101 Prijedor, Svale bb
1120. Unionauto d.o.o.
78000 Banja Luka, Put srpskih
branilaca 39a
1121. *Univerzal a.d.
76300 Bijeljina, Kneza Ive od
Semberije 88
1122. Vulić Racing motor d.o.o.
78000 Banja Luka, S. Markovića 3
1123. Vulkanizerski servis braća Halić
78250 Laktaši, Glamočani bb
1124. Z. Vučanović d.o.o. - Euro standard
78220 Kotor Varoš, Svetozara Miletića
46
1125. Auto servis Mališa
76230 Šamac, Kralja Aleksandra
Karađorđevića 77
1126. Auto servis Nino s.z.r.
75440 Vlasenica, Bolnička bb
1127. Auto servis Zoka s.z.r.
74000 Doboj, Pridjel bb
1128. Automehaničarska radnja,
autopraonica -
Servis Drinčić s.z.r.
71350 Sokolac, Marka Ećimovića 68

1129. Automehaničarska radnja
Čivčić Ostoja
Ada 9/3
78000 Banja Luka

1130. Auto-servis Krajina
78000 Banja Luka, Vase Pelagića 9

1131. Autoservis dijelovi d.o.o.
Put srpskih branilaca bb
78214 Zalužani

1132. Autoservis Ručunov
Jevrejska 99
78000 Banja Luka

1133. Autoservis Luka s.z.r.
74000 Doboj, Vojvode Sinđelića 63a

1134. Automehaničarska radnja
vl. Hmura Bosiljka
Vojvode Sinđelića 90
74000 Doboj

1135. Automehaničar (Babić)
Mome Vidovića bb 78420 Srbac

1136. *Brković komerc d.o.o.
78420 Srbac, Povelić bb

1137. *Perčo s.z.r.
74000 Doboj, Vila bb

1138. Auto servis Gavrić
75400 Zvornik, Karakaj bb

1139. Autoservis Pejdo
Ive Andrića bb
79220 Novi Grad

1140. Automehaničarska radnja
vl. Lučić Stevo
Srpskih ratnika bb
71420 Pale

1141. Autoservis Igman doo
Đenerala Draže Mihajlovića bb
71123 Istočno Sarajevo

1142. Elektromehaničarska radnja
vl. Babić Veljko
Filipa Višnjica 24
74000 Doboj

1143. Krajina auto DP
Branka Popovića 306
78000 Bijeljina

1144. Laser tehnički pregled vozila
Nikole Tesle bb
76100 Brčko

1145. *PSC TAM
Branka Popovića 312
78 000 Banja Luka

1146. Trgoremont a.d.
Branka Popovića 310
78000 Banja Luka

1147. Verano motors PP
Jovana Dučića 3
76300 Bijeljina

OSTALI subjekti

1148. *LUKA Brčko
Ivana Franje Jukića 2
76100 Brčko

1149. Rotorelektronik - Jevđić d.o.o.
(SERVIS TRANSFORMATORA)
Hajduk Veljka 4
76300 Bijeljina

ANNEX 3 - LISTS OF IMPORTERS AND DISTRIBUTORS

Firme BiH uvoznice proizvoda pod tarifnim brojem 2710 u 2005.godini

2005

IMENOVANJE

Naftna ulja i ulja dobivena od bitumenskih minerala, osimsirovih; proizvodi nespomenuti niti uključeni na drugom mjestu, što sadrže 70% ili više masnog udjela naftnih ulja ili ulja dobivenih od bitumenskih minerala, koji čine osnovne sastojke tih proizvod

Tarifa	JMBP	Preduzeće	Naselje
2710			
	4200068200001	""HOLDINA"" d.o.o. Sarajevo09"	Sarajevo-Novo Sarajevo
	4200163020002	ENERGOPETROL d.d. SARAJEVO	Sarajevo-Centar
	4600058340008	ANTUNOVif	BR%KO 76101
	4200505350000	""PETROL BH OIL COMPANY"" d.o.o. Sarajevo"	Sarajevo-Centar
	4218015340002	""HIFA-OIL"", D.O.O. TEŠANJ"	Tešanj
	4218340090004	""ZOVKO OIL"" D.O.O. ŽEPCE"	Žepce
	4227155260008	INTERINA d.o.o. Mostar	
	4209277550009	""INTEROIL"" d.o.o. SREBRENİK"	Srebrenik
	4401153740002	SUPER-PETROL	DRUGOVifl 78436
	4400077680007	ODA-PETROL	DOBOJ 74000
	4400959260004	PETROL	BANJA LUKA 78000
	4227039860006	""CIRCLE INTERNATIONAL"" d.o.o. Medugorje"	Citluk
	4400387440006	OKTAN PROMET	BIJELJINA 76300
	4400184090000	IGMIN-MM	MODRI%A 74480
	4600047650005	BR%KO-GAS	BR%KO 76100
	4236270510009	""TIOIL"" d.o.o. Stara Bila"	Vitez
	4401145050005	INTEGRAL IN...INJERING	LAKTAOI 78250
	4236328020007	G-TANK D.o.o.	VITEZ
	4401604930005	PARMA TREND	TRN 78252
	4400194130000	RAFINERIJA ULJA MODRI%A	MODRI%A 74480
	4400926330007	KRAJINAPETRPOL	BANJA LUKA 78000
	4200031380000	""EL TARIK OIL BENZINSKE STANICE"" d.o.o. Sarajev	Sarajevo-Novo Sarajevo
	4209157220005	""JUNUZOVIC-KOPEX"" doo LUKAVAC"	Lukavac
	4272099630005	""AURO"" D.O.O. LJUBUŠKI"	Ljubuški
	4400894030006	LIMIKOM	BANJA LUKA 78000
	4400809880004	IDEAL-KOMPANI	BANJA LUKA 78000

4401622750006	GAGI TRANS	BANJA LUKA 78000
4600034320006	MB-RADif	BR%KO 76101
4600002710007	PETRif	BR%KO 76100
4401676330002	DOO "DLD Petrol"	BANJA LUKA
4401745080005	DOO "Jugopetrol"	TREBINJE
4401691050008	Naftna kompanija "Petrobart" DOO	N/A
4263106790006	""CAVKUNOVIC"" D.O.O. BIHAC"	Bihac
4401183650008	MILKA	LAKTAOI 78250
4402089410008	DOO "RIVIJERA PROMET"	Banja Luka
4254008950004	""ANTUNOVIC"" d.o.o. Orašje"	Orašje
4600016930000	CETANEKS	BR%KO 76100
4272013850008	""AUTO ANA"" D.O.O. GRUDE"	Grude
4209072230001	""POLO-JUNIOR"" d.o.o. KALESIJA"	Kalesija
4400389810005	PETRif	VROANI 76325
4400420750008	NEOKOVif	BIJELJINA 76300
4600056720008	CEROL	BR%KO 76100
4400694880005	INVING INVEST IN...ENJERING	PRIJEDOR 79101
4400431100005	MONACO	BIJELJINA 76300
4400211160007	OPTIMA BENZ	MODRI%A 74480
4401514510007	MB-PETROL	PRIJEDOR 79101
4200589190002	BEHA GRIMEX d.o.o. Sarajevo	Sarajevo-Centar
4401767720008	GAS-PETROL	MRKONJif GRAD 70260
4401232530005	R I S COMPANY	PRNJAVOR 78430
4600014130006	LORA	BR%KO 76000
4401769770002	DOO "Karosa"	LAKTASI
4600027970003	NIKif COMPANI	BR%KO 76100
4236014350002	""GUDELJ"" d.o.o. Vitez"	Vitez
4401775230001	DOO "Delta-trade"	N/A
4400782400005	BUKOM	BANJA LUKA 78000
4209073120005	""POLO"" d.o.o. KALESIJA"	Kalesija
4400403230009	4. APRIL	BIJELJINA 76300
4401661730004	MILJKOVif PETROL	BANJA LUKA 78000
4600005730009	KARAMUJif	BR%KO 76100

4272132510002	""MIKULIC COMPANY"" D.O.O. GRUDE"	Grude
4218018520001	""CEMAN-ENERGOPROM"" TEŠANJ"	Tešanj
4400677520003	D.O.O."Paspaq-Komerc"	N/A
4401433430009	DOO "SS Petrol"	N/A
4209300470000	""STUDEN & CO.AREX"" d.o.o. GRADACAC"	Gradacac
4600034240002	ROTTAL	BR%KO 76000
4400719460006	PETI NEPLAN	OMARSKA 79203
4400140630007	NADA	DERVENTA 74400
4401280850003	SILVI	TESLI 74270
4400728530009	KOMPANIJA ARS	K.DUBICA 79240
4236138750009	""VALTEC BH"" D.O.O. SARAJEVO"	Sarajevo-Novi Grad
4400930520007	NOVA TRGOVINA	BANJA LUKA 78000
4227350120008	""P I R O I L"" d.o.o. CAPLJINA"	Capljina
4218388290005	""EKO-PANDA"" d.o.o. Visoko"	Visoko
4401217730006	KOMPANIJA DUOANif	PRNJAVOR 78430
4401136220003	NAFTA-TRANS	%ELINAC 78240
4218175200002	""NN"" COMPANY D.O.O. ZENICA"	Zenica
4209083350009	""HEMPRO"" d.o.o. GRADACAC"	Gradacac
4400795640005	EUROGAS	BANJA LUKA 78000
4600013590003	BRACO I SINOVI	BR%KO 76100
4236063720001	""METALMERC"" d.o.o. Kiseljak"	Kiseljak
4227430310002	MO-COMPANY D.O.O.	DUBROVACKA 69
4272078470008	""JIM-Co"" D.O.O. LJUBUŠKI"	Ljubuški
4401023700009	OK.MT.	GRADIOKA 78400
4209460080003	""RIMCO-SANT"" d.o.o. SREBRENİK"	Srebrenik
4272065060005	""PERIC"" D.O.O. LJUBUŠKI"	Ljubuški
4402166260006		
4600019100008	AGRO-PETROL	BR%KO 76100
4200133890002	""BH PETROL"" d.o.o. Vogošća"	Sarajevo-Vogošća
4218402380004	""SETING"" d.o.o. ŽEPCE"	Žepce
4400181660000	VUJANif COMERC	MODRI%A 74480
4400982160009	D.O.O."Fair commerce"	Banja Luka
4401028680006	D.O.O."Maxar"	N/A

4400368570004	MOBILIA	BIJELJINA 76300
4209269530007	""""SHELL - ELEKTRON"" d.o.o. GRACANICA"	Gracanica
4401182760004	TEHNOSINT	LAKTAOI 78250
4400316850009	DESPOTOVI	BIJELJINA 76300
4272044140009	""""R.P.M. GLOB TRADE"" D.O.O. LJUBUŠKI"	Ljubuški
4402026500007	DOO "DADO PETROL"	N/A
4272178180007	RELI D.O.O. POSUŠJE	Posušje
4400528870000	D.O.O."Mas company"	N/A
4209021080005	""""SANPRO"" d.o.o. ŽIVINICE"	Živinice
4400385580005	BOBAR AUTOSEMBERIJA	BIJELJINA 76300
4400545370002	MANDI PETROL	SRPSKO SARAJEVO 71123
4254000620005	""""FAMI-COOP"" d.o.o. Orašje"	Orašje
4401855770007	KASTANEA KOMERC	TRN 78252
4400825900007	ENERGOPROMET DOO	BANJA LUKA
4400354860000	DRAGSTES	BIJELJINA 76300
4209021590003	""""TOP-FIT AUTO KOMERC"" TUZLA"	Tuzla
4401055490006	WEST OPED	GRADIOKA 78400
4200049910006	PetroMAR d.o.o. Sarajevo	Sarajevo-Centar
4200113190004	BES COMPANY d.o.o. Sarajevo	Sarajevo-Ilidža
4600026730009	BROD PROMET	BR%KO 76100
4254035090009	""""KOTURIC-TONI"" d.o.o. Domaljevac"	Domaljevac-Šamac
4401505950002	D.O.O. "BM petrol"	PRNJAVOR
4272059760003	""""VRANJEŠ"" D.O.O. GRUDE"	Grude
4200997470005	PATTING D.O.O.	SARAJEVO
4400451390000	EURO	UGLJEVIK 76320
4401189000005	VICANOVIF COMPANY	LAKTAOI 78250
4200017980002	""""MEGAMIX"" d.o.o.Sarajevo"	Sarajevo-Novo Sarajevo
4200120050005	""""MAGNA OIL"" d.o.o. Sarajevo"	Sarajevo-Ilidža
4272095990007	""""UNITRADE"" D.O.O. LJUBUŠKI"	Ljubuški
4400856880004	TRIGMA	BANJA LUKA 78000
4401092340006	DOO "Spuzva"	GRADISKA
4600022150008	PROHEMA	BR%KO 76101
4209329530001	RMU "BANOVICI" d.d. BANOVICI	Banovici

4218086870002	""EUROTRADE"" TEŠANJ D.O.O."	Tešanj
4209082970003	AVIA doo TUZLA	Tuzla
4272070570003	""GRIOSS"" D.O.O. GRUDE"	Grude
4209087850006	""RUDAR-INŽENJERING"" d.o.o. TUZLA"	Tuzla
4209017720008	""KIRSCH PROM"" d.o.o. TUZLA"	Tuzla
4200537710008	""SMAL KOMERC"" d.o.o. Sarajevo"	Sarajevo-Novo Sarajevo
4200654510001	""MEGATTI"" d.o.o. Sarajevo"	Sarajevo-Centar
4400243100006	P.T.U.P."@ivkovi}"	N/A
4401345140009	INDUSTRIJA ALATA	TREBINJE 89101
4200360790006	""IGMAN"" d.o.o. Hadžici"	Sarajevo-Hadžici
4218149030000	""ALMY"" D.O.O. ZENICA"	Zenica
4600018040001	AUTO-MERTZ	BR%KO 76100
4236073950005	""MERKEZ-OIL"" d.o.o. N.Travnik"	Novi Travnik
4236007490001	""SOFA MM"" D.O.O VITEZ"	Vitez
4272006480009	MIKRA MATIC D.O.O. ŠIROKI BRIJEG	Široki Brijeg
4200428930006	C.D.E.B. d.o.o. Sarajevo	Sarajevo-Novi Grad
4218018870002	""ZOVKO"" D.O.O. ŽEPCE"	Žepce
4218229650009	""TEOL""D.O.O.MARIN HAN-TEŠANJ"	Tešanj
4272165440000	JOKOHAMA B.H. D.O.O. POSUŠJE	Posušje
4200544090007	""WURTH BH"" d.o.o. Sarajevo"	Sarajevo-Novi Grad
4218390600003	""COP COMPANY"" d.o.o. Zenica"	Zenica
4227139570005	VALBIH d.o.o. Konjic	Konjic
4400965580002	VRBAS PETROL	BANJA LUKA 78000
4600029240002	BIMAL	BR%KO 76000
4401582860008	DOO "Dion & Tehnix"	PRNJAVOR
4236038880002	""FEROTOM"" D.O.O KISELJAK"	Kiseljak
4200444380008	""INTERMERKUR"" d.o.o. Sarajevo"	Sarajevo-Novo Sarajevo
4400944660006	MILJKOVif	BANJA LUKA 78000
4400915640004	TOREX CO	BANJA LUKA 78000
4400275210008	MB PETROL	VLASENICA 75440
4218074430007	""VAL BH"", D.O.O. REŠANJ04"	Tešanj
4272191360006	""INOVERONIKA"" D.O.O. POSUŠJE"	Posušje
4400189560004	MAG	MODRI%A 74480

4600022070004	AGRARIJA PROMET	BR%KO 76100
4200017550008	BOSTEK MACHINERY d.o.o. Sarajevo	Sarajevo-Ilidža
4227019590002	""""REX COMMERCE"" d.o.o. Medugorje"	
4400366010001	SYSTEMS-MOGUL	DVOROVI 76311
4400678680004	TADIf	LAMOVITA 79204
4400147720001	M & D	DERVENTA 74400
4400706990014	MEOIfI TRADE	KOZARAC 79202
4401376450014	TRGOTRANS	BILEfA 89230
4200063820001	DIVECA-ENERGO d.o.o. Sarajevo	Sarajevo-Centar
4272117390009	""""MARVIN TRADE"" D.O.O. ŠIROKI BRIJEG"	Široki Brijeg
4272126970000	""""MOTO-HOL"" D.O.O. POSUŠJE"	Posušje
4209005800006	""""QUATRO-INDAG"" d.o.o. GRADACAC"	Gradacac
4218019500004	""""BHSC"" D.O.O. ZENICA"	Zenica
4272001250005	""""VISOKA"" D.O.O. DRINOVCi GRUDE"	Grude
4209376610005	D.o.o. "AUTOTEHNIK" GRADACAC	Gradacac
4401169310008	VOLEX MOBIL	LAKTAOI 78250
4600041530008	BOfE-BENZ	BR%KO 76100
4400965310005	SLADABONI	BANJA LUKA 78000
4263409850001	A-M UZELI d.o.o.	CAZIN
4401838330001	DOO "Euro-promet"	N/A
4236093800000	""""NUTAL"" d.o.o.Vitez"	Vitez
4401183570004	INEX PETROL DOO LAKTASI	LAKTAfI
4400386710000	M N D	BIJELJINA 76300
4400541890001	ENERGOINVEST-RASKLOPNA OPREMA	LUKAVICA 71126
4600049780003	RONDEX CO	BR%KO 76100
4200055480005	""""PRO WALD"" d.o.o. Sarajevo"	Sarajevo-Centar
4209236360009	""""RIKO"" d.o.o. TUZLA"	Tuzla
4400963960002	AUTOPREVOZ	BANJA LUKA 78000
4600008320006	D M B	BR%KO 76100
4200055300007	""""ASA AUTO"" d.o.o. Sarajevo"	Sarajevo-Vogošca
4200363460007	""""SCANIA BH"" d.o.o. Sarajevo"	Sarajevo-Novi Grad
4200265370008	""""AUTOCOMMERCE"" d.o.o. Sarajevo"	Sarajevo-Centar
4218115720007	""""EMEA"" D.O.O. VISOKO"	Visoko

4227117090000	""UNIKOMERC"" d.o.o. Mostar"	
4263430620008	D.O.O. EMKA	CAZIN
4236264380004	TDizel d.o.o.Novi Travnik	Novi Travnik
4218107110003	""OPTIMA LUBRYCANTS"" D.O.O. BREZA"	Breza
4400130910001	RAFINERIJA NAFTE	SRPSKI BROD 74450
4200501100009	""BOSŠUMCAJ"" d.o.o. Sarajevo"	Sarajevo-Ilidža
4400878690004	DE-MI PROMET	BANJA LUKA 78000
4236026280000	""PROMING"" d.o.o. BUGOJNO"	Bugojno
4272091140009	JUR PROM D.O.O. LJUBUŠKI	Ljubuški
4400565990007	CD-INVEST	PALE 71420
4263035160006	"" FAHD "" d.o.o. Bihac"	Bihac
4400252600003	BIRA%	ZVORNIK 75400
4400885040007	INTEGRA IN...INJERING	BANJA LUKA 78000
4227111640008	""GUMA M"" d.o.o. Mostar"	
4209133390007	""SEIF"" d.o.o. KALESIJA, MILJANOVI"	Kalesija
4236253770005	RIVAL B & V CO d.o.o. Kreševo	Kreševo
4209424790002	""ISRA-APEX"" d.o.o. TUZLA"	Tuzla
4400416210007	AGREKS	DONJI ...ABAR 76273
4218040880003	""ENKER"" d.d. Tešanj"	Tešanj
4236145610000	"" MGM "" d.o.o. Bugojno"	Bugojno
4236025630007	""MAH"" VITEZ d.o.o."	Vitez
100000000002	Novo pravno lice	su u polju 9 JCI-a.
4201034690006	ABSA TRADING	SARAJEVO
4227004130005	""DUGA-TEHNA"" d.o.o. Citluk"	Citluk
4600052810002	POLJO OIL	BR%KO 76100
4218412420004	""HADŽO TRANS"" D.O.O. VISOKO"	Visoko
4236172340006	""BZM-COMPANY"" d.o.o. KREŠEVO"	Kreševo
4201014580000	"TEIKOM BH" D.O.O. SARAJEVO	SARAJEVO
4600023470006	GRAMOS	BR%KO 76100
4401187480000	RTM EUROPA MARKT EXPORT-IMPORT	TRN 78252
4218061370005	""BERLIJETA"" D.O.O. VISOKO"	Visoko
4209033760001	""OMI"" d.o.o. ŽIVINICE"	Živinice
4200246740007	""IMZIT.COMERC"" d.o.o. Sarajevo"	Sarajevo-Novigrad

421821080000	""DEL-CO"" D.O.O. VISOKO"	Visoko
4402120510008		
4281011800002	"" FINVEST TANK "" d.o.o."	Drvar
4401512570002	CDM-LJUBIJA	PRIJEDOR 79102
4200523330008	""AVANTI"" d.o.o. Sarajevo"	Sarajevo-Centar
4200693170005	KSK-TRADEING, d.o.o. Sarajevo	Sarajevo-Centar
4200147170002	""MALZAK"" d.o.o. Sarajevo"	Sarajevo-Centar
4209045340008	""FGO"" d.o.o. BANOVICI"	Banovici
4200310000004	KGH "COMMERCE" d.o.o. Sarajevo	Sarajevo-Ilidža
4200225150005	JP ELEKTROPRIVREDA BIH D.D. SARAJEVO	Sarajevo-Novo Sarajevo
4401145640007	ALFA CO INTERNACIONAL	LAKTAOI 78250
4400305220003	JOVANOVIĆ-KOMERC	BIJELJINA 76300
4200768280006	""TERRA BiH"" d.o.o. Sarajevo"	Sarajevo-Novi Grad
4402171180002		
4263344970004	"" EURO GUMA "" d.o.o. Sanski Most"	Sanski Most
4263359060004	"" MW - IMPORT "" d.o.o. Bihac"	Bihac
4400870010004	YUGOCOOP	BANJA LUKA 78000
4400815260000	AGROMEHANIKA-KOMERC	BANJA LUKA 78000
4200446670003	""AUTO-line"" d.o.o. Sarajevo"	Sarajevo-Vogošća
4218015000007	""HIFA"" D.O.O. TEŠANJ"	Tešanj
4401166130009	D.O.O. "Delta trade"	N/A
4272009070006	""KTM-BRINA"" D.O.O. POSUŠJE"	Posušje
4400769480008	A.C.-KOMERC	NOVI GRAD 79220
4401834180005	AGRO-STROJ	BIJELJINA 76300
4236191130004	""ELEKTROBOSNA-N"" D.O.O JAJCE"	Jajce
4236138320004	""VALVOSON"" D.O.O BUSOVACA"	Busovaca
4281020620009	"" FINVEST DRVAR "" d.d. Drvar"	Drvar
4272120690005	KOTONELA D.O.O. ŠIROKI BRIJEG	Široki Brijeg
4263190640006	"" SANITEKS "" d.d. Velika Kladuša"	Velika Kladuša
4209392220004	""TOTAL AUTO"" d.o.o. GRACANICA"	Gracanica
4200994020009	BH GARDEN d.o.o.	SARAJEVO-ILID A
4263113810004	"" PRODIST "" d.o.o. Sanski Most"	Sanski Most
4209428190000	""WAJSCORP"" d.o.o. KALESIJA"	Kalesija
4272131620009	""ELJUGAPROM"" D.O.O. GRUDE"	Grude

4236008540002	""LAŠVA-KOMERC"" d.o.o. Nova Bila"	Travnik
4209452220009	""CLK-INTERPROMET"" d.o.o. DOBOJ ISTOK"	Doboj-Istok
4263154500001	"" BORI - KMO "" d.d. Bosanska Krupa"	Bosanska Krupa
4200609640000	""IMMER"" d.o.o. Sarajevo"	Sarajevo-Centar
4236151850004	""JUTRO"" d.o.o. Kreševo"	Kreševo
4600070040001	SBK	BR%KO 76000
4401188370003	VRHOVAC COMPANY	TRN 78252
4400668020006	RUNER	PRIJEDOR 79101
4400903800006	AUTO-GENEKS	BANJA LUKA 78000
4400329240005	AUTOCENTAR NEOKOVIF	BIJELJINA 76300
4227248350007	JP "EP HZ Herceg-Bosne" d.d. Mostar	
4400333860000	D...ELIF COMPANY	BIJELJINA 76300
4218297730002	""AB-PETROL"" D.O.O. KAKANJ"	Kakanj
4236113330005	""PALAVRA"" D.O.O GLADNIK,TRAVNIK"	Travnik
4400794320007	HEMOFARM	BANJA LUKA 78000
4227100360003	""A. C. BORAS"" d.o.o. MOSTAR"	
4236008110008	""PHARMAMED"" TRAVNIK, D.O.O."	Travnik
4272201420002	MRGO 04 D.O.O.	LJUBU KI
4200049590001	""UNIGRADNJA"" DD Sarajevo"	Sarajevo-Stari Grad
4400888060009	AUTO CENTAR BANJA LUKA	BANJA LUKA 78000
4200429740006	""SARAJEVOLIJEK"" d.d. Sarajevo"	Sarajevo-Novo Sarajevo
4400809370006	VETPROM	BANJA LUKA 78000
4272079100000	PZ "VINO-DUHAN-VOCE" GRUDE	Grude
4401000830002	BRKI,-SERVIS	BANJA LUKA 78000
4400920050002	SELENA	BANJA LUKA 78000
4400928460005	DEUS SYSTEM	BANJA LUKA 78000
4401931890009	DOO "CO MAJKIC-M.A."	N/A
4263009750008	"" ROBNI - PROMET "" d.o.o. Bihac"	Bihac
4218083000007	""POBJEDA"" D.D. TEŠANJ"	Tešanj
4400344470009	VELEFARM	BIJELJINA 76300
4400812590009	BEL-AUTO PP EXPORT-IMPORT BLUKA	BANJA LUKA
4400738330008	ZEPTER INTERNATIONAL KD	KOZARSKA DUBICA 79240
4236293210002	UNIPRESS d.o.o. Bugojno	Bugojno

4218127220000	""""AUTOCENTAR BEGANOVIC"" D.O.O. VISOKO"	Zenica
4227005530007	""""AX"" d.o.o. Mostar"	
4401932430001	DOO "NOVI RUDNICI QUBIJA"	N/A
4227193940004	""""PRECIZ""D.o.o. Capljina"	Capljina
4272060260006	BILO TRADE D.O.O. GRUDE	Grude
4245001870006	""""BEKTO-INTERNACIONAL"" D.O.O. GORAŽDE"	Goražde
4227125780007	""""ASTRA DUBRAVKA"" d.o.o. Mostar"	
4400833670002	SINEKS LABORATORY	BANJA LUKA 78000
4401036780001	STOLARIJA RAPIF	GRADIOKA 78400
4200529880000	""""ABC-1968"" d.o.o. Sarajevo"	Sarajevo-Centar
4200046060001	""""TECHNO-TRADE"" SARAJEVO"	Sarajevo-Centar
4400953060003	JELOINGRAD	BANJA LUKA 78000
4227207670005	"""" ALUMINIJ "" d.d. Mostar"	
4209076730009	""""HELAKOR"" d.o.o. TUZLA"	Tuzla
4245044170008	"PRECISA" D.O.O GORAŽDE	GORAŽDE
4400124510000	TOTAL TRADE	DOBOJ 74000
4209571740002	""""ARTEMA"" d.o.o. GRACANICA"	Gracanica
4272035070006	AUTO ANIMO D.O.O. GRUDE	
4236160840003	""""FRIGOTEHNIKA"" d.o.o. Kiseljak"	Kiseljak
4400876560006	GOLDEN METRO	BANJA LUKA 78000
4400367330000	BLAGOLEKS	BIJELJINA 76300
4236020240006	""""FIS"" d.o.o. Vitez"	Vitez
4200200160006	CC HBC B-H d.o.o. Sarajevo	Sarajevo-Hadžici
4236083080009	""""AN-PEK"" d.o.o. Vitez"	Vitez
4209343790008	""""PLAMINGO"" d.o.o. GRACANICA"	Gracanica
4400272110002	10.AVGUST	VLASENICA 75440
4272065490000	AUTOCENTAR TOMIC d.o.o. Mostar	
4400014500009	ELEKTRODISTRIBUCIJA DOBOJ	DOBOJ 74101
4401033170008	METAL	GRADIOKA 78400
4209154630008	""""EMAX"" d.o.o. TUZLA"	Tuzla
4400810030006	SIP RAZVOJ	BANJA LUKA 78000
4400025960001	...ELJEZNICE REPUBLIKE SRPSKE	DOBOJ 74000
4400669770009	AN-GO FRIGO ELEKTRIC	PRIJEDOR 79101

4236087660000	""ECOS"" d.o.o. Vitez"	Vitez
4400885980000	TIM-PROMET	BANJA LUKA 78000
4400317660009	FALCON	BIJELJINA 76300
4218182240001	DD "NATRON"MAGLAJ	Maglaj
4236030550003	""KRISTAL"" d.o.o. Vitez"	Vitez
4400215660004	DOO "CESTE-MOSTOVI-ASFALT"	Modrica
4401037160007	MOTO TRADE DOO BANJA LUKA	BANJA LUKA
4272203040002	STUD-COMMERCE D.O.O.	LJUBU KI
4236022880002	""BORAC"" EXPORT-IMPORT D.D TRAVNIK"	Travnik
4401450280002	TERMAG	SOKOLAC 71350
4200495880005	""KLAS"" d.d. Sarajevo"	Sarajevo-Novo Sarajevo
4400954890000	KRAJINALIJEK	BANJA LUKA 78000
4200877220005	""KOFIKOM"" DOO SARAJEVO"	Sarajevo-Centar
4401383820005	TERMOGRADING	GACKO 89240
4209382420005	""KRAMER & BEST INGENIEUR UND ANLAG."" d.o.o. TUZ	Tuzla
4401298470003	DEVIF-TEKSTIL	...ARKOVINA 74270
4400757980005	INTERPROMET	NOVI GRAD 79220
4401302680000	STELMA	%ELINAC 78240
4200003250001	""SEMIKEM"" d.o.o. Sarajevo"	Sarajevo-Novo Sarajevo
1000000000001	Fizi ko lice	su u polju 9 JCI-a.
4200003840003	""MEDICINA""-d.d. Sarajevo"	Sarajevo-Centar
4400239500008	VITINKA	KOZLUK 75413
4401150640007	CENTRUM TRADE	TRN 78252
4400862180006	APOTEKARSKA USTANOVA	BANJA LUKA 78000
4400901930000	UNION AUTO	BANJA LUKA 78000
4401154980007	SLATKOM-ALFA & OMEGA	TRN 78252
4209242500009	""INGRAM"" d.d. SREBRENİK"	Srebrenik
4236097460009	""SARAJEVSKI KISELJAK"" d.d. Kiseljak"	Kiseljak
4400242550008	BID...O-PROMET	ZVORNIK 75400
4600031140007	DOMI -GRADNJA	BR KO 76100
4236304190009	B.S.I. d.o.o. Jajce	Jajce
4227083250002	""DITRX"" d.o.o."	
4245022100006	""HARIX"" D.O.O. GORAŽDE"	Goražde

4200598340009	""Bosnalijek"" DD Sarajevo"	Sarajevo-Centar
4200175540001	""MEDIMPEX"" d.o.o. Sarajevo"	Sarajevo-Novo Sarajevo
4400403070001	OUMAPROM-COMMERCE	DVOROVI 76311
4400782230002	VIMKOP	BANJA LUKA 78000
4402169790006	DOO "KOLEKTOR BOSNA"	N/A
4600030920009	JELEN	BR%KO 76000
4272010590005	""AX-SOLING"" D.O.O. GRUDE"	Grude
4400853350004	AGROKRAJINA	BANJA LUKA 78000
4400289270003	BOKSIT	MILIfi 75446
4218029640009	""ELF"" D.O.O. TEŠANJ"	Tešanj
4227135310009	""RIKO TRADE"" d.o.o. Mostar"	
4200013300007	FOGS d.d. Sarajevo	Sarajevo-Stari Grad
4401210210007	KOMERC-MALI	PRNJAVOR 78430
4400874190007	SIM IMPEX	BANJA LUKA 78000
4400964690009	MIKRO-PEK	BANJA LUKA 78000
4200841110009	""MERCATOR"" D.O.O. SARAJEVO"	Sarajevo-Novo Sarajevo
4400814610007	AGROKOMBINAT	BANJA LUKA 78000
4400437210007	ELEKTRO-KONTAKT	BIJELJINA 76300
4401755120005	CNC PROIZVODNJA	LAKTAOI 78250
4236004800000	""JAJCE ALLOY WHEELS"" d.o.o. Jajce"	Jajce
4401629410006	CO NAR	BANJA LUKA 78000
4200421500006	""HIBsa"" d.o.o. Sarajevo"	Sarajevo-Novi Grad
4281048470002	""ALFA-PLAST""d.o.o."	Tomislavgrad
4209015270005	""MODI-ŠPED"" d.o.o. TUZLA"	Tuzla
4263027810000	"" MEB "" d.o.o. Cazin"	Cazin
4227228670005	""MBH-PROM"" d.o.o. Konjic"	Konjic
4200696780009	""DALLAS BH"" d.o.o. Sarajevo-Ilidža"	Sarajevo-Ilidža
4400307270008	VIRGOPROM	BIJELJINA 76300
4209158540003	""RIVIN"" d.o.o. LUKAVAC"	Lukavac
4400622380008	FAP-AUTODELOVI	RUDO 73260
4401187640007	MIR-TRADE	LAKTAOI 78250
4400987390002	PETACO	BANJA LUKA 78000
4401167610004	AGROCOOP	ALEKSANDROVAC 78255

4200371210001	""SIEMENS"" d.o.o. Sarajevo"	Sarajevo-Novo Sarajevo
4401879360004	DMS EUROSTANDARD DOO TESLIC	TESLIC
4254046450007	""PIMS"" d.o.o. Odžak"	Odžak
4400152720001	ISO-TEC	DERVENTA 74400
4401706930000	DOO "VUKOM"	N/A
4401854700005	DOO "MINERVA HUSBERT"	N/A
4401096170008	TIKT MANUFAKTURA DOO /GRADISKA-BL	GRADISKA
4200574750001	""FINA-TEHNOAUTO"" d.o.o. Sarajevo"	Sarajevo-Centar
4400106370004	DOO "EFT GROUP-Rudnik lignita Stanari"	Doboj
4200092840003	""INVESTICIONI TEHNICKI CENTAR""D.O.O. SARAJEVO"	Sarajevo-Novo Sarajevo
4236308260001	Einhell BiH d.o.o. Vitez	Vitez
4227202790002	P.P. HANSA-FLEX HIDRAULIK d.o.o. Mostar	
4209653470003	""AMATERI"" d.o.o. GRACANICA"	Gracanica
4400904440003	T.M.T.	BANJA LUKA 78000
4272204010000	STROJOTEH D.O.O.	POSU JE
4200571140008	""LIŠCEVICA-PROMET"" d.o.o Ilijaš"	Sarajevo-Ilijaš
4200152500002	""PRIMOTRONIC BH"" d.o.o. Sarajevo"	Sarajevo-Centar
4227140660000	""FINANC"" d.o.o. Mostar"	
4272024030002	""AUTOKUCA BOŠNJAK""D.O.O. ŠIROKI BRIJEG"	Široki Brijeg
4272091570003	""POLIC SERVIS"" D.O.O. POSUŠJE"	Posušje
4263063290004	"" MERKURUS "" d.o.o. Bihac"	Bihac
4401820040006	DOO "B&B-Vu~ko"	N/A
4400449490005	RUDNIK I TERMoeLEKTRANA	UGLJEVIK 76330
4400838550005	SPEL	BANJA LUKA 78000
4263027570009	"" BIHACKA PIVOVARA "" DD Bihac"	Bihac
4209256390001	""NESAM"" d.o.o. GRACANICA"	Gracanica
4200588030001	""ELEKTRO-NIERE"" EXPORT-IMPORT d.o.o. Sarajevo"	Sarajevo-Centar

NAZIV PREDUZEĆA	ULICA	BROJ PTT	MJESTO	TEL	FAX	PREZIME	IME
3B oil d.o.o. Sarajevo	ČEKALUŠA	45	SARAJEVO	200-186	200-186	VOJNIKović	BENJAMIN
A.M.B. d.o.o. Čitluk	MEDUGORJE-TROMEDA	BB	MEDUGORJE ŠIROKI	063/382-964		MARIC	BORIS
ABC PETROL D.O.O. ŠIROKI BRIJEG	MOKRO	BB	BRIJEG	063-326-970		ALPEZA	ŽARKO
AJAN d.o.o. Travnik	HAN BILA	11	HAN BILA-TRAVNIK	030 562-448		AJANOVIC	OSMO
ALMY D.O.O. ZENICA	VRANDUCKA	BB	ZENICA			BEGIC	ISMET
AM 76 BH COMPANY D.O.O. ŽEPCE	STJEPANA RADICA	45	ŽEPČE	880-389		ABEL	MARIO
AMOX-TREYD d.o.o. KALESIJA	KALESIJA	BB	KALESIJA	035-630-705		MUMINOVIC	ALMEDIN
ANTONIO BENZ d.o.o. PROZOR-RAMA	PODBOR	65	PROZOR	036/782-176 , 063/325-812		SICAJA	ANTE
ANTUNOVIC d.o.o. Orašje	AUTOPUT MITRA	BB	ORASJE	031/713-160	031/713-800	KLAIC	ZORAN
ARLOV d.o.o. TUZLA	TRIFUNOVICA UCE	120	TUZLA			KARIC	BEGO
AURO D.O.O. LJUBUŠKI	BANA JELACICA	BB	LJUBUŠKI	039-830-200	835-581	IVANKOVIC	ŽELJKO
AUTO-COMMERCE D.O.O GORNJ VAKUF	PODGRADJE	BB	GORNJI VAKUF	030-494-880	494-880	MIKULIC	SLAVKO
AVANGARDE d.o.o.	MIJATA TOMICA	BB	TOMISLAVGR AD			DUKIC	RUDOLF
AZ-EN PETROL, D.O.O. TEŠANJ	PUTEŠIC	BB	TEŠANJ	061/153-046		CORIC	ENVER
B1- COMPANY d.o.o. SAPNA	SAPNA	BB	SAPNA	035-250-681		OMEROVIC	SUADA
BADŽENI - COMERC d.o.o. Velika Kladaša	POLJE	BB	VELIKA KLADUŠA	037-772-082		BABIC	HUSE
BANJAC d.o.o. CAZIN	PECIGRAD	BB	PECIGRAD	037-540-625		MUHAMEDAGIC	NAZIF
BARABAN BENZ d.o.o. PROZOR	RUMBOCI	4	PROZOR			BARABAN	ROBERT
BARBARIC BENZ d.o.o. Čitluk	DRAGICINA	BB	ČITLUK	063/323-259		BARBARIC	MARIJANA
BEHA GRIMEX d.o.o. Sarajevo	RADIĆEVA	3	SARAJEVO	217-333	217-333	KRALJIC	MEHMEDALIJA
BEKO-PETROL d.o.o. GRADACAC	SARAJEVSKA	BB	GRADACAC	035-816-192	035-816-192	OMERAGIC	OSMAN
BENS - ES d.o.o. Cazin	DONJA KOPRIVNA	1	CAZIN	037/550-162		BAJRAMOVIC	EDIN
BENZ - FRANC d.o.o. Čitluk	GARIŠTA	BB	ČITLUK	656-132		ROZIC	FRANO

NAZIV PREDUZEĆA	ULICA	BROJ	PTT	MJESTO	TEL	FAX	PREZIME	IME
BENZINSKA CRPKA MATOŠEVIĆ d.o.o. Stara Bila	STARA BILA	BB	72250	VITEZ			MATOŠEVIĆ	GORAN
BERLIT-EX d.o.o. Sarajevo	GAROVCI	BB	71240	HADŽIĆI	061/203-707	420-900	SELIMOVIĆ	ASIM
BES COMPANY d.o.o. Sarajevo	FRANCUSKE REVOLUCIJE	85	71210	ILIDŽA	061/191-977	414-147	HASANOVIĆ	BEGO
BHM-VERMIETUNGS SERVICE d.o.o. Sarajevo	MARIJA MIKULIĆA	85	71000	SARAJEVO		221-775	HALAC	ENIZ
BH-PETROL D.O.O GORNJI VAKUF	POLJE-BOKOVI	BB	70240	VAKUF	030-265-336	030-265-336	KASUMOVIC	SALIH
BILETIC d.o.o. Vitez	NADIOCI	B..B	72250	VITEZ	061/340-234		ŠOŠIĆ	DALIBOR
B-M COMMERCE D.O.O KISELJAK	GROMILJAK	BB	71250	KISELJAK	063-338-402	030-879-386	BILAN	VLATKO
BOB MOK - PROM d.o.o. Tomislavgrad	MOKRONOGE	BB	80240	AD	034 353-660	353-661	BAKOVIC	BOŽO
BODRUŠIĆ GmbH d.o.o. MOSTAR	KRALJA TOMISLAVA	19	88000	MOSTAR	061-105-827		BODRUŽIĆ	DAVOR
BOH-PETROL D.O.O. TEŠANJ	ROSULJE	BB	74260	TEŠANJ	664-399		OMERBAŠIĆ	BAHRUDIN
BOSNA - BENZ DOO SARAJEVO	DEJZINA BIKIĆA	2A	71000	SARAJEVO	658-324	653-421	PEKMEZ	SUVADA
BP MEROL d.o.o. Ilijaš	PODLUGOVI, MOŠEVAČKA	BB	71380	ILIJAS	400-051	400-051	DERVIŠEVIĆ	MUNIB
BRAČA DURIC d.o.o. Cazin	GNJILAVAC	BB	77220	CAZIN	037/511-619		DURIC	AMIR
BRAČA MUJIĆ EXPORT-IMPORT D.O.O. SARAJEVO	DŽEMALA BIJEDIĆA	212	71210	ILIDŽA	061/132-334,472- 605	472-606	MUJIĆ	SAJIM
BRANIKOM d.o.o. Donja Mahala	STJEPANA RADICA	BB	76274	DONJA MAHALA	031-754-147	031-754-286	KOBAŠ	MARKO
BRKIC-PETROL D.O.O. ZENICA	BLATUŠA	BB	72000	ZENICA	286-959		BRKIC	NEZIR
BRKICPETROL-2 D.O.O.ZENICA	AVDE SMAJILOVICA	BB	72000	ZENICA			BRKIC	SUAD
B-TANK D.O.O. POSUŠJE	OBILAZNICA	BB	88240	POSUŠJE	680-600	680-600	BEŠLIĆ	ZORAN
BUDEŠ D.O.O JAJCE	MRAČAJ	BB	70101	JAJCE	030-658-190	658-190	BUDEŠ	MANDA
BUTMIR OIL d.o.o. Sarajevo	ANTUNA BRANKA ŠIMIĆA	2A	71000	SARAJEVO	715-130	657-133	OMERHODŽIĆ	ŠEMSUDIN
C U C A d.o.o. Ključ	BRANILACA BIH	104	79280	KLJUČ	037/674-343		AVDIC	EMIR
CALJKUŠIĆ d.o.o. BUSOVACA	NIKOLE ŠUBICA ZRINSKOG	111	72260	BUSOVAČA			CALJKUŠIĆ	RUDOLF
CAT D.o.o. Sanski Most	PRIJEDORSKA	140	79260	SANSKI MOST	037/686-370		ŠABANOVIĆ	ALEN

NAZIV PREDUZEĆA	ULICA	BROJ PTT	MJESTO	TEL	FAX	PREZIME	IME
CAVKUNOVIC D.O.O. BIHAC	ZAOBLAZNICA	BB 77101	BIHAC	037-332-569		CAVKUNOVIC	MUHAMED
CEMAN-ENERGOPROM TEŠANJ	TEŠANJKA	BB 74266	TEŠANJKA	667042	893866	CEMAN	FAHIR
CENDO D.O.O. POSUŠJE	VINJANI	BB 88240	POSUŠJE	063-362-329		TOMIC	SLOBODAN
CENTRUM d.o.o. Mostar	DR. ANTE STARCEVICA	BB 88000	MOSTAR	036/323-450		LOVRIC	ANTON
CIRCLE INTERNATIONAL d.o.o. Medugorje	TROMEĐA	BB 88266	MEDUGORJE	036/651-533	036/651-533	BOKAN	PETAR
COMPANY PERIC d.o.o. Mostar	BUNA	BB 88000	MOSTAR	036/312-371	036/325-798	PERIC	MARINKO
COPP BENZ D.O.O. ŠIROKI BRIJEG	TRN	BB 88220	ŠIROKI BRIJEG	705-469		PERKO	DRAŽEN
CRO HERC BENZ D.O.O. LJUBUŠKI	FRA M. DIVKOVICA	BB 88320	LJUBUŠKI	845-143		ŽULJ	MLADEN
CULE PROMET d.o.o. Mostar	MILE BUDAKA	98 88000	MOSTAR			CULE	SLAVKO
CURIC D.O.O. ŽEPČE	BISTRICA	BB 72230	ŽEPČE	880-906		CURIC	BOSILJKO
CURKOVIC-S D.O.O. BUGOJNO	CIPULJIC	BB 70230	BUGOJNO			CURKOVIC	STIPO
D&D COM d.o.o. Mostar	BRKICA	2 88000	MOSTAR	061-204-691		DRLJEVIC	SEMR
D.O.O. BALIC Jablanica	MIRKE	25 88420	JABLANICA	752-952		BALIC	AISA
DAG-COM d.o.o. GRADACAC	KEREP	BB 76250	GRADACAC	035-865-208		DJEDOVIC	MEHMED
DD OGREVTRANS	SIME	4 71000	SARAJEVO	200-240.663-523	200-240	HAMŽIĆ	EDIB
DEJPROM d.o.o. GRADACAC	MILUTINOVIĆA	BB 76250	GRADACAC	035-857-102		GLUHIC	AVDIJA
DELTA & VA d.o.o. BIHAC	REPUŠINE	2 77101	BIHAC	037-333-899	037-333-899	KLJAJIC	ALMA
DIZELBENZ d.o.o. Sarajevo	OBALA KULINA	15/I 71000	SARAJEVO	647-699	467-699	LASIĆ	TADIJA
DOKSO D.O.O. VISOKO	BANA	28 71300	VISOKO	061/137-334	741-115	DOKSO	NIHAD
DURIC d.o.o. Cazin	DONJE MOŠTRE	BB 77220	CAZIN	037/511-371	037/511-371	DURIC	HASIB
DŽIM COMPANY d.o.o. TUZLA	RUDARSKA	61 75000	TUZLA	035-281-447,		CENGIC	AZRA
DŽINO D.O.O. MAGLAJ	MOŠEVAC	BB 74250	MAGLAJ	061-235-689		DŽINIC	SEAD
EA - COMMERC d.o.o. Bihac	JABLANSKA	BB 77101	BIHAC	603-114		KORICIC	ELMA
ECO-STANDARD D.O.O. ZENICA	FRA IVANA JUKICA	1. 72000	ZENICA	037/300-385		ŠIŠIĆ	ELMIR
ECOTOK D.O.O. TRAVNIK	PUTICEVO	106/A 72276	NOVA BILA-TRAVNIK	030 708-036		SUCIC	PREDRAG
EL TARIK OIL d.o.o. Mostar	PUT ZA OPINE	BB 88000	MOSTAR			CIMIC	MAHMUT

NAZIV PREDUZEĆA	ULICA	BROJ	PTT	MJESTO	TEL	FAX	PREZIME	IME
EL TARIK OIL BENZINSKE STANICE d.o.o. Sarajevo	ĆAMILA SIJARIĆA	26	71000	SARAJEVO	667-404	667-405	ČENGIĆ	BEĆIR
EL TARIK COMPANY d.o.o. Sarajevo	ĆAMILA SIJARIĆA	26	71000	SARAJEVO	061/137-734		ČENGIĆ	BEĆIR
ELEKTRO & PLIN Bugojno d.o.o.	GAJ III	1/A	70230	BUGOJNO	030 251-119		KADUNIC	BELMA
ELFAX d.o.o. GRACANICA	HAJDAROVAC	BB	75320	GRACANICA	035-787-716		HASIC	BEHAD
ELING ZL D.D JAJCE	SKELA	BB	70101	JAJCE	030-657-503	657-502	BURIC	DARIJO
EMEA D.O.O. VISOKO	PINJAGICA	18.	71300	VISOKO			HADŽIOMEROVIĆ	SAIM
ENERGOENGINEERING-MS D.O.O.	SKENDERA							
BIHAC	KULENOVICA	BB	77101	BIHAĆ	037/331-422	037/331-422	MEŠIC	SEJDEFA
ENERGOPETROL d.d. SARAJEVO	MARSALA TITA	36	71000	SARAJEVO	664-132	663-996	BUŠATLIC	NAMIK
ENERGOPROMET D.O.O. TESANJ	TESANJKA	BB.	74266	TESANJKA	667-042	893-866	CEMAN	FAHIR
ESTO - STIHL d.o.o. Cazin	CORALICI	BB	77220	CAZIN	061/174-467		PANDŽIC	MUJO
	BRANILACA							
ETIZ d.o.o. Sarajevo	SARAJEVA	20	71000	SARAJEVO	061-277-164		BEŠLIJA	DŽEVAD
EURO - OIL D.O.O. POSUŠJE	CITLUK	BB	88240	POSUŠJE	039-682-420	039-682-419	KEVILJ	NEDILJKO
	KRALJA							
EURO BISER d.o.o., Prozor-Rama	TOMISLAVA	93	88440	PROZOR	036/770-715	036/771-130	BAKETARIC	LJUBAN
	KRALJA							
EURO PETROL d.o.o. Prozor	TOMISLAVA	BB	88440	PROZOR	036/771-476		PAPAK	ILIJA
EUROAGENT D.O.O. MAGLAJ	LIJEŠNICA	BB.	74250	MAGLAJ	603-955	603-941	KRUŠKO	ZEHRUDIN
EUROBENZ D.O.O. GRUDE	SOVICI	BB	88340	GRUDE	670884,670886	670885	GADŽE	SVETIMIR
EURO-BENZ D.o.o. Velika Kladuša	VRNOGRAC	100	77231	VRNOGRAC			CERIMOVIC	SULJO
EUROPULS D.O.O. ŽABLJAK-USORA	ŽABLJAK	BB	74230	USORA	893-666		COSIC	MIJO
	MIROSLAVA							
EXICON d.o.o. Bihac	KRLEŽE	BB	77101	BIHAĆ	061/181-758		BAJRIC	BAJRO
EXPORT-IMPORT MATO d.o.o.	TROSKA	B.B.	71260	KREŠEVO	806-564		MILETIC	MATO
FAGAT-PETROL D.O.O. TESANJ	JELAH	BB	74260	TESANJ	032/663-392		OMERBAŠIC	RASIM
FAMI-COOP d.o.o. Orašje	XII	5	76270	ORAŠJE	063/341-556	031/712-372	DOLJANCIC	FARUK
FAZLIĆ OIL d.o.o. ILIJAŠ	BOSANSKI PUT	BB	71380	ILIJAŠ	061-136-469		FAZLIĆ	MUSTAFA
FINVEST TANK d.o.o.	VUKOVARSKA	42	80260	DRVAR	034/820-133	034/820-023	SUBAN	IVAN
FRAN-SLI PROMET D.O.O								
BUSOVACA	18. STUDENI	BB	72260	BUSOVAČA	063-333-712		SLIŠKOVIC	FRANO
GALE & Co d.o.o.	MESHOVINA	BB	80240	TOMISLAVGR AD	368-253		ŠARIC	KAŽIMIR

NAZIV PREDUZEĆA	ULICA	BROJ	PTT	MJESTO	TEL	FAX	PREZIME	IME
GAMADEUS d.o.o. KALESIJA	OSLOBODILACA	21	75260	KALESIJA	061-101-537		SALIHBEGOVIC	SEAD
GANJGO PETROL D.O.O. MATUZICI, DOBOJ JUG	MATUZICI	BB	74203	DOBOJ JUG	692-075	692-074	GANJGO	IZUDIN
GAPA d.o.o. Mostar	BUNA	BB	88202	BUNA	352-050		GAGRO	RAFAEL
GAS-BENZ D.O.O. ŠIROKI BRIJEG	VARAŽDINSKA	2	88220	ŠIROKI BRIJEG	705-646		MANDIC	ZORAN
GASOLINE COMPANI d.o.o. ŽIVINICE	KOTORNICA	BB	75270	ŽIVINICE	061-178-376		AVDIC	SULEJMAN
GASSING d.o.o. GRACANICA	CIRIŠ	BB	75320	GRACANICA	035-703-254		ILJAZOVIC	AHMET
GAZ d.o.o. Capljina	GABELA POLJE	BB	88300	ČAPLJINA			ORŠLIĆ	PERO
GOPEX D.O.O. GRUDE	RUŽICI	BB	88340	GRUDE	0038763329731		PEZER	GORDANA
GORJE D.O.O. POSUŠJE	A.B. ŠIMICA	BB	88240	POSUŠJE	682-700		PETROVIC	IVA
GRADINA PETROL d.o.o. Gornji Vakuf- Uskoplje	VOLJEVAC	B.B.	70246	USKOPLJE	061/1719-185		ŽDRALOVIC	SELVER
GRAND - PETROL d.o.o. Bosanski Petrovac	VRTOCE	BB	77250	BOSANSKI PETROVAC	061-787-202		GRBIC	MILUTIN
GREEN OIL D.O.O. SARAJEVO	VELIKA DRVETA	2	71000	SARAJEVO	206-149		MUHOVIĆ	REKO
GRIC D.O.O. NOVI TRAVNIK	RUĐERA	BB	72290	NOVI TRAVNIK	030 793-610	030 793-610	MAROS	DRAGUTIN
GTP - KORICIC d.o.o. Bihac	BOŠKOVIĆA	BB	77101	BIHAĆ	037/300-385		KORICIC	ASIM
GUDELJ d.o.o. Vitez	POSLOVNI CENTAR	96	72250	VITEZ	030 714-125		GUDELJ	PERO
HAMBOK, D.O.O. TEŠANJ	JELAH	BB	74264	JELAH	061/153-287		ALIC	KASIM
HAMSEL D.O.O. VISOKO	UVORICI	BB	71300	VISOKO	032-745-695	745-695	OCUZ	OMER
HASANAL d.o.o. Ilijaš	LJEŠEVO	BB	71380	ILJAŠ	400-022	400-022	LEMES	SABINA
HB-SINPRO d.o.o. GRACANICA	SOKO	BB	75320	GRACANICA	061-150-803		BEŠIĆ	EDHEM
HD - BIKAN d.o.o. Cazin	GNJILAVAC	BB	77220	CAZIN	061/787-375		DELALIC	REDŽO
HELAX d.o.o. Mostar	ASI KOVINA	1	88103	MOSTAR	061/142-813		ADŽAGIĆ	HARIS
HIDANI d.o.o. KALESIJA	HIDANI	BB	75260	KALESIJA	035-635-504	035-635-504	SELI MOVIC	SEMSA
HIFA D.O.O. TEŠANJ	KRNDIJA	BB	74260	TEŠANJ	032/650-600	032/650-401	HADŽISELIMOVIC	VENAN
HIFA-BENZ d.o.o. BANOVICI	OSKOVA	BB	75290	BANOVICI	061-137-396		AHMETOVIC	FAHRUDIN
HIFA-OIL, D.O.O. TEŠANJ	KRNDIJA	BB	74260	TEŠANJ	032-650667		AHMETLIĆ	IZUDIN
HMH GOSTELJA d.o.o. STUPARI	STUPARI	BB	75280	KLADANJ	035-626-153		HADŽIKIĆ	KADIR
HIM-KOMERC D.O.O. OLOVO	BRANILACA	BB	71340	OLOVO	061-149-067		HADŽIABDIĆ	MUHAMED

NAZIV PREDUZECA	ULICA	BROJ	PTT	MJESTO	TEL	FAX	PREZIME	IME
HOLDINA d.o.o. Sarajevo	AZIZE ŠAČIRBEGOVIĆ	4-B	71000	SARAJEVO	276-500	658-616	MIĆIN	SILVIO
HR - COMERC d.o.o. Sanski Most	HRUSTOVO	96	79260	SANSKI MOST			DUDIC	HIDAJET
IBRAHIMOVIĆ D.o.o. Bosanska Otoka	OTOCKIH HEROJA	BB	77244	BOSANSKA OTOKA	477-091	477-091	KEJTEZOVIĆ	ELVIR
IGMAN d.o.o. Hadžići	HADŽELI	BB	71240	HADŽIĆI	061-150-070	420-452	MERHEMIĆ	RAMIZ
IMZIT.COMERC d.o.o. Sarajevo	LUKAVIČKA CESTA	121	71000	SARAJEVO	450-795	450-922	IMAMOVIĆ	ZAHIR
INA BH d.d. Sarajevo	AZIZE ŠAČIRBEGOVIĆ	4 B	71000	SARAJEVO	276-500	712-161	BOŽIĆ	FRANJO
INGCOMM-MD d.o.o. Odžak	REDŽE POROBICA	BB	76290	ODŽAK	0038598/922712 0		DUJAK	ANTO
INOVERONIKA D.O.O. POSUŠJE	OSOJE	BB	88240	POSUŠJE	039-670-975		BOBAN	VLADO
INTER - BUTAN d.o.o. Cazin	OSTROŽAC	302	77228	OSTROŽAC	037/531-783		SAGRKOVIĆ	FATE
INTERINA d.o.o. Mostar	KNEZA VIŠESLAVA	8	88000	MOSTAR	320-259	333-740	BOŽIĆ	FRANJO
INTEROIL d.o.o. SREBRENIK	TUZLANSKI PUT	BB	75350	SREBRENIK		036/333-514	PLESNICAR	DANILO
IPC HILAL d.o.o. Sarajevo	MARKA MARULIĆA	4	71000	SARAJEVO	652-320	652-120	ZEJNELAGIĆ	HALIL
IRASS d.o.o. Donja Mahala	FRANJEVACKA	115	76274	DONJA MAHALA	031/741-032	031/741-032	VINCETIĆ	SMILJANA
IRFAN KADIĆ D.o.o. Bosanska Krupa	511. SBBR	BB	77240	BOSANSKA KRUPA	471-027 , 061 795-134	471-027	FAJIC	NEDŽAD
IZVOR D.O.O. POSUŠJE	ZAOBILAZNICA	BB	88240	POSUŠJE	682-395		BEGIĆ	FERDO
J & B D.O.O. LJUBUŠKI	VELJACI	BB	88320	LJUBUŠKI	841-021	841-283	JELAVIĆ	DRAGAN
JAK - OIL, D.O.O. USORA	SIVŠA	BB.	74230	USORA	893-968	893-968	KULIĆ	JAKOV
JAM-M-BENZ D.O.O. ŠIROKI BRIJEG	PRIVALJ	BB.	88220	ŠIROKI BRIJEG	039-711-011	039-711-015	LJUBIĆ	ZORICA
JAVOR D.O.O. ZENICA	ASKA BORICA	11	72000	ZENICA	418-285	418-285	JARIC	MIRZA
JIM-BENZ D.O.O. POSUŠJE	JUKICA NJIVE	BB	88240	POSUŠJE			JURIŠIĆ	MIJO
JIM-Co D.O.O. LJUBUŠKI	CRNOPOD	BB	88320	LJUBUŠKI	063-323-121		VASILJ	ILKO
JT&AN D.O.O. LJUBUŠKI	KRALJA KREŠIMIRA	BB	88320	LJUBUŠKI	063-424-365		TOMAS	JULIJANA
JUSUFOVIĆ D.O.O. ZAVIDOVICI	VOZUCA	BB	72220	ZAVIDOVIĆI	856-166		JUSUFOVIĆ	MUHAMED
K&M d.o.o. Ključ	KULINA BANA	56	79280	KLJUČ	061/743-924		KRIVIĆ	RASIM

NAZIV PREDUZEĆA	ULICA	BROJ	PTT	MJESTO	TEL	FAX	PREZIME	IME
KADENA-V D.O.O JAJCE	III GARDIJSKE	BB	70101	JAJCE	063-334-303		JAKEŠEVIĆ	KATA
KALEN D.O.O. ZENICA	KAMBEROVICA CIKMA	BB	72000	ZENICA		410-529	KREHIC	KASIM
KALEX d.o.o. VITEZ	BRANILACA STAROG VITEZA	BB	72251	VITEZ	032-414874	032-416230	BURIC	IBRAHIM
KALEX K-EL, d.o.o. Zenica	KAMBEROVICA CIKMA	BB	72000	ZENICA	061-795-750		DURMIC	FARUK
KAMASS d.o.o. Cazin	CORALICI	3	77226	CORALICI	037/537-001		KRŽALIC	SAID
KARLIKOEXPORT-IMPORT D.O.O.LJUBUŠKI	PUT ZA BUCINE	BB	88320	LJUBUŠKI	039-831-207	039-831-207	KRALJEVIĆ	KARLO
K-BENZ D.O.O. LJUBUŠKI	BUCINSKA CESTA	BB	88320	LJUBUŠKI	832-607		KRALJEVIĆ	MIRJANA
KIŠIĆ-VD D.O.O. POSUŠJE	VRPOLJE	BB	88240	POSUŠJE	063-351-273	692-425	DUMANCIC	VINKO
KONI d.o.o. Export-Import Konjic	PODORAŠAC	BB	88400	KONJIC	036-722-300		NIKŠIĆ	ALMIR
KOPACEVIC d.o.o. Donji Svilaj	DONJI SVILAJ	55	76290	ODŽAK	031/776-290		KOPACEVIC	JURO
KOSOVCIC KOMERC ŠIJE, TEŠANJ	ŠIJE	BB	74260	TEŠANJ	694-111		KOSOVCIC	SEJFO
KULAK D.O.O. BREZA	PODŽUPCA	BB	71370	BREZA	782-700 061- 166-366		IMAMOVIC	IBRAHIM
KULAUZOVIĆ-PROM d.o.o. Bosanska Krupa	511 SLAVNE BBR.	BB	77240	KRUPA	061/711-018		KULAUZOVIĆ	ADIS
KUNA D.O.O. LIVNO	OBRTNICKA	18	80101	LIVNO	202-395	202-465	BARAC	JOSIP
LAMINA d.o.o. MOSTAR	BISKUPA CULE	BB	88000	MOSTAR	036/313-433		LASIC	MILJENKO
LINDE PLIN d.o.o. Sarajevo	FRA ANDELA ZVIZDOVIĆA	1	71000	SARAJEVO	463-261		GOVC	ALEKSANDER
LUŠIJA D.O.O. VISOKO	PODVISOKI	BB	71300	VISOKO	061-180-335		LUŠIJA	NEDŽAD
LJUBIJANKIC - COMPANY d.o.o. Bužim	505.VITEŠKE BRIGADE	7	77245	BUŽIM	037/410-410		LJUBIJANKIC	NEVRESA
LJUBIJANKIC S - COMERC d.o.o. BUŽIM	POMAJDEN	BB	77245	BUŽIM	037-410-198		LJUBIJANKIC	SAMIR
MAEN d.o.o. GRADACAC	SARAJEVSKA	BB	76250	GRADACAC	061-152-121	035-819-512	OKANOVIĆ	ZIJAD
MAH VITEZ d.o.o.	STJEPANA RADICA	BB	72250	VITEZ	061/710-391		HAMZI	HUSAMADDIN
MAIRNCUC BENZ d.o.o. Citiuk	KRALJA TOMISLAVA	129	88260	ČITLUK	063/320-923		MARINCIC	IVAN
MAJORKA d.o.o. Sarajevo	ZABRĐE	5B	71000	SARAJEVO	061-802-750		ACIK	CAN

NAZIV PREDUZEĆA	ULICA	BROJ PTT	MJESTO	TEL	FAX	PREZIME	IME
MANTA d.o.o. SAPNA	SAPNA	BB 75411	SAPNA			HASANOVIC	ZIJAD
MARAL d.o.o. Mostar	Dr. ANTE STARCEVICA	44	MOSTAR	036/313-283	036/317-354	MATOŠEVIC	ZDRAVKO
MARIUS d.o.o. Oštra Luka	OMLADINSKA	25	OŠTRA LUKA	031/755-111	031/755-111	IVANOVIC	IVO
MATKIC d.o.o. GRADACAC	BRANILACA	20	GRADAČAC	049-745-612		MATKIC	IVICA
MATO-COMMERCE d.o.o. Kreševo	TROSKA	BB 71260	KRESEVO	063-339081	030-806564	MILETIC	MATO
MAZIVA d.o.o. GRADACAC	UL. Hadžiefendijina	BB 76250	GRADAČAC	035-816-088		GRABIC	EMSAD
MEA TRADE d.o.o. Mostar	BISCE POLJE	BB 88000	MOSTAR	061/823-364		HADŽIC	AMER
MEGACOMM d.o.o. Mostar	KRALJA ZVONIMIRA	13	MOSTAR	036-328-662		MANDIC	GOJKO
MELLAIN d.o.o. Sarajevo	KRANJEVIĆEVA	29	SARAJEVO	061-152-617		SALIHović	NERŠUDIN
MERIS-BENZ d.o.o. Cazin	OSTROŽAC	15	OSTROŽAC	061/763-319, 061/479-285	037/532-056	PROŠIĆ	FATIMA
MINA D.O.O. GRUDE	VITEZA R. BOBANA	52/1	GRUDE	063-468-880		ŽULJ	ANTE
MIS BENZ D.O.O. POSUŠJE	PUT ZA BATIN	BB 88240	POSUŠJE	682-462		BEGIC	IVAN
MM & BB d.o.o.	ŠUJICA	BB 80240	TOMISLAVGR AD	034/367-433	034/367-433	MIOC	MIRON
MM KALESIC d.o.o. ŽIVINICE	OSLOBOĐENJA	25	ŽIVINICE	035-772-885	035-772-886	KALESIC	MUSTAFA
MODECO D.O.O. LJUBUŠKI	ALOJZA STEPINCA	10	LJUBUŠKI	063-322424	831-107	PETROVIC	VLADIMIR
MON d.o.o. Čapljina	DOLJANI	BB 88300	ČAPLJINA	063-320-035	036-814-630	ZOVKO	MIROSLAV
MOTO-HOL D.O.O. POSUŠJE	OBILAZNICA	BB 88240	POSUŠJE	030-251-586		KRAMARIC	BRANKO
MOTOR OIL No 1 d.o.o. TUZLA	MAHMUTA BUŠATLJE	1	TUZLA	061-293-200		MUJEZINOVIC	NIHAD
MTS-EXCEL d.o.o. Vitez	ŠANTICI	B.B. 72250	VITEZ	063/364-385	717-012	BAJO	TOMISLAV
N M - NUKI d.o.o. TEOCAK	TEOCAK	BB 75414	SAPNA	035-755-014	035-755-014	NUKIC	MUHAMED
NAHONAL-GAS, D.O.O. BREZA	RUDARSKA	BB 71370	BREZA	032-765214	765214	NAHIC	CAMIL
NERETVA BENZ d.o.o. Mostar	DUBROVACKA	BB 88000	MOSTAR			KREZIC	VANDA
NG-COMMERCE D.O.O. LJUBUŠKI	PROBOJ	BB 88320	LJUBUŠKI			GAVRAN	NIKOLA
NICPETROL d.o.o. Sarajevo	PRUŠČAKOVA	27	SARAJEVO	215-012	215-013	KALEMENDI	NASER
NILS HS d.o.o. SREBRENİK	UL. TUZLANSKI PUT	BB 75350	SREBRENİK	035-641-301		BAJRAKTAREVIĆ	NIJAZ

NAZIV PREDUZECA	ULICA	BROJ	PTT	MJESTO	TEL	FAX	PREZIME	IME
OIL MEĐUGORJE d.o.o. Citluk, Medugorje	PUT ZA CAPLJINU	BB	88260	ĆITLUK			BENCUN	MARTIN
OIL OKTAN d.o.o. Capljina	KLEPCI	BB	88307	ČAPLJINA	036/814-721	036/814-722	KREŠIĆ	TOMISLAV
OIL-AC d.o.o. Mostar	BLEIBURSKIH ŽRTAVA	BB	88000	MOSTAR			MARIC	MIROSLAV
OILMER d.o.o. Sarajevo	BISTRİK	2	71000	SARAJEVO	410-715, 711-710	711-711	RUSTEMPAŠIĆ	EMIR
OMV ISTRABENZ BiH d.o.o.	VUKOVARSKA	18	88000	MOSTAR	036-328-611	036-328-610	PLESNICAN	DANILO
ONIKORD VITEZ d.o.o.	KRALJA KREŠIMIRA I	B.B.	72250	VITEZ	063/430-339		JOKIĆ	LJUBA
OPTIMA LUBRYCANTS D.O.O. BREZA	ZALOŽJE	BB	71370	BREZA	061/237-948		HODŽIĆ	EMIN
OSTED d.o.o. Sarajevo	DŽEMALA BIJEDIĆA	2	71000	SARAJEVO			SLIPIČEVIĆ	REUF
P I R O I L d.o.o. CAPLJINA	ZGONI	BB	88300	ČAPLJINA	036/805-940	036/804-240	BLAŽEVIĆ	STANKO
PALADIJ Gospodarsko društvo za trgovinu, promet i	STJEPANA RADICA	B.B.	72250	VITEZ	063/401-609, 711-444		TOPALOVIĆ	MARIJA
PARTNER COMMERC D.O.O. BOSANSKA OTOKA	LJUSINA	BB	77244	OTOKA	061-794-428		BEŠIĆ	ĐŽEVAD
PERIC D.O.O. LJUBUŠKI	PUT ZA MEĐUGORJE	BB	88320	LJUBUŠKI	832-434	832-437	PERIĆ	MILE
PERIŠIĆ D.O.O. GRUDE	H.V.HRVATINICA	75	88340	GRUDE	662-908	662-908	MIKULIĆ	ZDENKO
PETROBIT, d.o.o. TEŠANJ	KRNDIJA	BB.	74260	TEŠANJ	061-153-813 032 650-099		AHMETLIĆ	IZUDIN
PETROL - LINE export-import d.o.o.Sarajevo	DOBRINJSKA	1	71210	ILIDŽA	717-120	717-121	KOLAŠINAC	MUHAREM
PETROL BH OIL COMPANY d.o.o. Sarajevo	FRA ANDELA ZVIZDOVIĆA	1	71000	SARAJEVO	295-287	295-288	PUSTOVRH	ANTON
PETROL D.D. LJUBUŠKI	BANA JELAGICA	23	88320	LJUBUŠKI	830-200	835-580	MIŠETIĆ	DRAGAN
PETROLAND D.O.O. GRUDE	P.BUCONJICA	36	88340	GRUDE	661-978		ANDRIJANIĆ	DANE
PetroMAR d.o.o. Sarajevo	ZMAJA OD BOSNE	4	71000	SARAJEVO	288-924		BOŠNJAK	GORAN
PLIN PROMET D.O.O. ZENICA	OBALNI BULEVAR	30	72000	ZENICA	282-245		KOVACIĆ	ESAD
Plin-comm d.o.o. TUZLA	KOJŠINO	92	75000	TUZLA	061-146-442		IBRAHIMOVIĆ	ISMA
PLIN-KOMERC TESANJ D.O.O.	KRAŠEVO	BB	74266	TESANJKA	061-162-414		CORIĆ	FIKRET

NAZIV PREDUZEĆA	ULICA	BROJ	PTT	MJESTO	TEL	FAX	PREZIME	IME
PLINOVIT d.o.o. Vitez	DIVJAK	BB	72250	VITEZ	030 712-324		PAPIC	MIRO
PLIN-PROMET d.o.o. Sarajevo	IBRAHIMA LJUBOVIĆA	51	71210	ILIDŽA	629-441		NALO	SENAD
POLO d.o.o. KALESIJA	DR.M.MUJBEGOVI CA	BB	75260	KALESIJA	035-631-046		UŠCUPLIC	HASAN
POLO-JUNIOR d.o.o. KALESIJA	KURTICI	BB	75260	KALESIJA	035-631-064,061- 720-510		UŠCUPLIC	VILDAN
POTOCI BENZ d.o.o. Mostar	POTOCI	BB	88208	POTOCI	063/368-538	039/703-040	RAGUŽ	ŽELJKO
POWER-PROM doo Mostar	PUT ZA VELEZ	20	88103	MOSTAR	036/571-196		JELOVAC	MEHO
PRANT D.O.O. ŠIROKI BRIJEG	STJEPANA RADICA	44	88220	BRIJEG	063-313-627		ZOVKO	BORISLAV
PRODIST d.o.o. Sanski Most	TRG LJILJANA	BB	79260	SANSKI MOST	037/681-327	037/681-542	KUMALIC	RIFET
PRODUKT SEER D.O.O. ŽEPCE	LJUBATOVIĆI	BB	72230	ŽEPCE	890-257		KLJAJIC	RUŽA
PROZOR-BENZ d.o.o., Prozor-Rama	KRALJA TOMISLAVA	BB	88440	PROZOR	036/771-173	036/771-363	BAKETARIC	ILIJA
PTD ESSO-PETROL d.o.o. Gornji Vakuf	317 SL.BRDSKE BRIGADE	B.B.	70240	GORNJI VAKUF	266-324	266-324	BEGOVIC	ARIF
PUDIC-BENZ d.o.o. MRKODOL- TOMISLAVGRAD	MRKODOL	BB	80240	TOMISLAVGR AD	310-090	310-090	MEŠTROVIC	ZORAN
RB d.o.o. Čapljina	HRVATSKIH BRANITELJA	BB	88300	ČAPLJINA	036/805-103		REBAC	VLATKO
REZ d.o.o. CAZIN	STIJENA	134	77224	STIJENA	037-544-497	061-155-201	KOLAKOVIC	EKREM
RIMCO-SANT d.o.o. SREBRENİK	SPIONICA	BB	75350	SREBRENİK	035-650-003	035-650-007	MUSIC	REŠID
RIVAL B & V CO d.o.o. Kreševo	POLJE M. POPOVICA	BB	71260	KREŠEVO			BARIŠIC	BRANISLAV
RIVANOL doo TUZLA	ĐURINA (SKLADIŠTE TEHNOPROMET	184	75000	TUZLA	061-161-770	035-287-904	ZUKANOVIC	EKREM
RONDELA d.o.o. Mostar	Kralja Petra Krešimira IV SPC RONDO	bb	88000	MOSTAR	036/325-807	036/325-807	KVESIC	IGOR
RUDAR-INŽENJERING d.o.o. TUZLA	MITRA TRIFUNOVICA UCE	9	75000	TUZLA	035-250-167	035-250-167	OSMANOVIC	SEAD

NAZIV PREDUZEĆA	ULICA	BROJ	PTT	MJESTO	TEL	FAX	PREZIME	IME
SAX d.o.o.GRAČANICA	HAJDAREVAC	BB	75320	GRAČANICA	035-787-716	035-703-365	AVDIC	HASAN
SCHEL d.o.o. Lištani-Livno	LIŠTANI	BB	80101	LIVNO	268-221	268-221	PERIC	STIPAN
SEKA-TRADING d.o.o. Mostar	ZRINJSKI FRANKOPANA	3	88000	MOSTAR	061/312-759		SEKA	JAKOV
SELEX d.o.o. Sarajevo	MILANA PRELOGA	1A	71000	SARAJEVO	614-490	614-491	LEMEŠ	SENAHID
SESTRE d.o.o. V Kladuša	5.KORPUSA	BB	77230	VELIKA KLADUŠA	037/679-136		GALIJAŠEVIĆ	AZIRA
SHELL - ELEKTRON d.o.o. GRACANICA	MIRICINA	BB	75320	GRAČANICA	061-131-710	035-553-034	ALIC	MUHIDIN
SICAJA d.o.o. Gornji Vakuf	PIDRIŠ	B.B.	70240	GORNJI VAKUF	494-501	495-681	SICAJA	ANTE
SMT D.O.O. ŠIROKI BRIJEG	VARAŽDINSKA	BB	88220	ŠIROKI BRIJEG	039-703-010	039-705-510	GRBEŠIĆ	MIRKO
ST PLIN D.O.O. TESANJ	MARŠALA TITA	BB	74264	JELAH	032-664700		KULIĆ	TOMISLAV
START d.o.o. Busovaca	18. STUDENI	BB	72260	BUSOVAČA	063334637		DRAŽIĆ	FRANJO
STIL - BENZ d.o.o. Cazin	MALA LISA	BB	77220	CAZIN	061/786-990		CORALIC	DŽEVAD
SUŠA-COMMERCE D.O.O. VISOKO	ZIMCA	BB	71305	VISOKO	735-320		SUŠA	MEHO
SZINKRON d.o.o. Sarajevo	TRG HEROJA	31/II	71000	SARAJEVO	326-776, 061- 229-219		IKOTITY	ISTVAN
ŠAŠKURN COMMERCE D.O.O. ŠIROKI BRIJEG	PROVO	BB	88220	ŠIROKI BRIJEG	701-320	701-320	BOŠNJAK	MARIO
ŠEH-IN D.O.O. GORAŽDE	RUŽDIJE	BB	73000	GORAŽDE	061/136958	038/220666	KUNTO	RIFET
ŠEVIGON D.o.o. Kijuc	ISLAMAGICA	BB	79280	KLJUČ	037/679-136		MRSIĆ	JASMIN
ŠPEDTRANS d.o.o. Velika Kladuša	VRNOGRACKA	BB	77231	VRNOGRAČ	037/710-124		PEHLIĆ	SELIME
ŠVABO BENZ D.O.O. GRUDE	SLAPNICA	BB	88340	GRUDE	662-032	662-032	ŽULJ	MLADEN
TADIC - BENZ d.o.o. PROZOR	H.V. HRVATINICA	BB	88440	PROZOR	780-400		TADIC	MIRO
TALIC - TANK d.o.o. Sanski Most	JAKLIĆI BULEVAR VII KORPUSA	BB	79260	SANSKI MOST	061/823-099		TALIC	ELVEDIN
TANK - COMERC d.o.o Sanski Most	DONJI KAMENGRAD	28A	79260	SANSKI MOST	037/680-407	037/680-407	HODŽIĆ	ILHAM
TDizel d.o.o.Novi Travnik	TRENICA	1	72290	NOVI TRAVNIK	063/373-777		TURIC	DRAGAN

NAZIV PREDUZEĆA	ULICA	BROJ PTT	MJESTO	TEL	FAX	PREZIME	IME
TEHNOPEKTROL d.o.o. TUZLA	2. OKTOBRA	1	TUZLA	061-195-593	035-282-033	HASANBAŠIĆ	EKREM
TELE-COM D.O.O GORNJI VAKUF	ĐEMALA BIJEDICA	BB	GORNJI VAKUF	266-139	266-139	GEKIĆ	ISMET
THS SYSTEMS d.o.o. GRADACAC	HASANA KIKICA	1	GRADACAC			TOPCAGIĆ	HASAB
TIOIL d.o.o. Stara Bila	STARA BILA	48	STARA BILA	063/420-183		MATOŠEVIĆ	JULIJANA
TRGOTANK d.o.o. FOJNICA	BAKOVICI	BB	FOJNICA	803200	803225	BOŠNJAČ	VIKTOR
TRGOVIR-PETROL d.o.o. GRACANICA	STJEPAN POLJE	BB	GRACANICA	035-723-278		ALJIĆ	ADMIR
TRI-BRATA d.o.o. Velika Kladuša	PODZVIZD	BB	VELIKA KLADUŠA	061/465-836		KANTAREVIĆ	ALIJA
UNA - BENZ d.o.o. Bihać	PUT 5.KORPUSA	BB	BIHAĆ	037/331-422		MEŠIĆ	SENIJAD
UNIKOMERC d.o.o. GRADACAC	DONJE LEDENICA	BB	GRADACAC	035-817-773	035-818-332	BAGIĆ	ANTO
VALVOSON D.O.O BUSOVACA	KAONIK	BB	BUSOVAČA	736-184	736-156	VUJICA	BRANISLAV
VIBOP d.o.o. BOSANSKI PETROVAC	SAFETA HIDICA	BB	BOSANSKI PETROVAC			RAMIĆ	SAMIR
VIDAK d.o.o. Novi Travnik	RATANJSKA	BB	NOVI TRAVNIK	061 792-522	030 793-103	VIDAK	IVAN
VIDRA d.o.o. VITEZ	HRVATSKIH BRANITELJA	B.B.	VITEZ	714-029	714-029	RADELJIĆ	ANTO
VIGOSS d.o.o. TUZLA	TOPLICA	4	TUZLA	061-866-967		OZTURK	HAŠIM
VINKI D.O.O KISELJAK	VISOCKI PUT	BB	KISELJAK			SLOMO	NENAD
VIS-PANDA D.O.O. EXPORT-IMPORT VISOKO	KRALJA TVRTKA SELIMA EF.	44	VISOKO	736-258	736-258	IHTIJAREVIĆ	SUAD
WOERMANN BH D.O.O. KAKANJ	MERDANOVIĆA	146	KAKANJ	551-393	551-393	JAROVIC	NEVZETA
ZABRISCE B&M d.o.o. Livno	ZABRISCE	BB	LIVNO	243-666		SIŠKO	MIRKO
ZAMBAK d.o.o.Vitez	POCULICA	36	VITEZ	522-198		SUBAŠIĆ	SEMSUDIN
ZAVJET d.o.o. Cazin	OSTROŽAC	310	OSTROŽAC			BAŠAGIĆ	HAMID
ZEKO-PROMET d.o.o. Odžak	REDŽE POROBICA	BB	ODŽAK	031/761-386	031/761-386	ZECEVIĆ	JURO
ZIJO-AB-MERC D.O.O. CAZIN	TRŽAC	BB	TRŽAČKA RAŠTELA	037-520-115	061/395-039	DIUZDAREVIĆ	DAMIR
ZLATNIK d.o.o. Ugljara	UGLJARA	69	ORASJE			BENKOVIĆ	JANJA

NAZIV PREDUZEĆA	ULICA	BROJ PTT	MJESTO	TEL	FAX	PREZIME	IME
ZOIMPEX D.O.O. ŠIROKI BRIJEG	KNEŠPOLJE	BB 88220	ŠIROKI BRIJEG	063-353-149	705-994	ZOVKO	IVAN
ZONAMERC d.o.o. SREBRENİK	SREBRENİK	BB 75350	SREBRENİK	061-131-710	035-553-034	ALIC	NAZA
ZOVKO D.O.O. ŽEPČE	GOLIJEŠNICA	BB 72230	ŽEPČE	881-456	881-456	MANDURA	IVICA
ZOVKO OIL D.O.O. ŽEPČE	GOLIJEŠNICA	BB 72230	ŽEPČE			TADIC	SUZANA
ZP-BEGIC D.O.O. POSUŠJE	FRA PETRA BAKULE	BB 88240	POSUŠJE			BEGIC	ZDENKO
ZZ-BAXTER d.o.o. Mostar	KNEZA VIŠESLAVA	BB 88000	MOSTAR	036/327-721	036/327-724	ZUBAK	ZVONKO