

# **EXOL**

Exxol d.o.o.  
18252 Merošina-Niš  
tel./fax: +381 18 285 555  
e-mail: [info@exxol.com](mailto:info@exxol.com)  
[www.exxol.com](http://www.exxol.com)

Exol-Starter d.o.o.  
Igora Vasiljeva 33n, 11210 Beograd  
tel./fax: +381 11 271 0471  
e-mail: [info@exol-starter.com](mailto:info@exol-starter.com)



# EXOL

## ABOUT US

# EXOL

Exxol d.o.o. has a wide range of recognizable products. The task we set ourselves is very simple - quality, accessibility and delivery efficiency. We believe that these are key factors for business success in our sphere of activity, and that this will enable us to continue to develop further and achieve even better results in the future.

High quality of oils coming off production lines is ensured by blending components of the most recognizable additive manufacturers in the world. We achieve product affordability by carefully positioning price-quality ratio, which ensures that every user of our products gets the best possible value for their money, while speed of delivery has slowly become our trademark.

Now, after more than 20 years of experience, with a constant increase in the number of customers and proven quality on the market, Exxol employs a significant number of people, has an effective vehicle fleet and a fully developed distribution network throughout the country and in the region.

In the continuation of this illustrated presentation of our product range, you can familiarize yourself with all aspects of what our company is able to offer to our products users.



# EXOL

## PRODUCTION PROGRAM

**DAIMLERCHRYSLER**

EXOL Lubricants DOO  
Attn: Mr. Dragan Marjanovic  
Branke Vojvodina 14/22  
11000 BEOGRAD

24801 11754 C417

17.11.2006 17.11.2006 14.08.2007

**Approval Certificate**

Approval for Engine Oil "EXOL TURBO LONG"

Approved on: 17.11.2006, Serial No. 11754, SAE Grade: C417

Dear Sir or Madam,

The operating fluid shown above complies with the requirements of the Mercedes-Benz Specifications for Operating Fluids, class 228.2 and is therefore approved for use in Mercedes-Benz vehicles and engines. The application range is shown and explained on the sheet 228.2. Other requirements, e.g. SAE grade, operating range intervals etc. must also be observed.

A 2 liter sample of each formulation including all SAE grade variants must be retained at all times, and can be called upon by DaimlerChrysler AG at any time. We will advise the address.

Sincerely,  
DaimlerChrysler AG

**VOLKSWAGEN**

EXOL Lubricants d.o.o.  
Mr. Igor Stojanovic  
10012 Meridiana, Serbia

25.07.08 14.07.08 01.08.2008

**Approval Certificate**

Approval for Engine Oil "EXOL Synth Power SAE 5W-40 (DS-Code ME 10003)"

Approved on: 25.07.08, Serial No. 1407, SAE Grade: 5W-40

Dear Mr. Stojanovic,

Approval of the engine oil

EXOL Synth Power SAE 5W-40 (DS-Code ME 10003)

has shown that product in question meets the requirements in accordance with VW Standard 502.00, VW 505.00 and VW Standard 505.01. This engine oil is therefore suitable for use in our petrol and diesel engines, including engines with turbochargers, in accordance with the Owner's Literature for our products.

It is that it is clear to both customers and workshops that this approval has been granted, containers should state:

"Approved under VW Standard 502.00, VW Standard 505.00 and VW Standard 505.01"

Please note that this approval expires after 30 months, at which point compliance with the VW and VAG standards must be verified again.

Thank you for the approval amount to € 3.000,-.

Yours sincerely,

**VOLVO**  
Volvo Technology Corporation  
Ljubljana, Slovenia

EXOL Lubricants  
Attn: Dragan Marjanovic  
10012 Meridiana, Serbia

25.07.08 14.07.08 01.08.2008

**Approval Certificate**

Approval for Engine Oil "EXOL Synth Power SAE 5W-40 (DS-Code ME 10003)"

Approved on: 25.07.08, Serial No. 1407, SAE Grade: 5W-40

Dear Mr. Marjanovic,

Approval of the engine oil

EXOL Synth Power SAE 5W-40 (DS-Code ME 10003)

has shown that product in question meets the requirements in accordance with Volvo Standard 9602, Volvo Standard 9602-2 and Volvo Standard 9602-3. This engine oil is therefore suitable for use in our petrol and diesel engines, including engines with turbochargers, in accordance with the Owner's Literature for our products.

It is that it is clear to both customers and workshops that this approval has been granted, containers should state:

"Approved under Volvo Standard 9602, Volvo Standard 9602-2 and Volvo Standard 9602-3"

Please note that this approval expires after 30 months, at which point compliance with the Volvo and VAG standards must be verified again.

Thank you for the approval amount to € 3.000,-.

Yours sincerely,

**TUV NORD**

**CERTIFICATE**

Management system as per  
ISO 9001:2015

The Certification Body TÜV NORD CERT GmbH hereby certifies as a result of the audit, assessment and certification decision according to ISO 9001:2015, that the organization

**EXOL doo**  
Meridiana  
10012 Meridiana  
Serbia

operates a management system in accordance with the requirements of ISO 9001:2015 and will be assessed for conformity within the 3 year term of validity of the certificate.

Scope

Production of motor and industrial oils and lubricants and sale and distribution of batteries

Certificate Registration No. 44 100 2400007  
Valid from: 2020-11-28  
Valid until: 2023-11-28  
Valid certification: 2022

Signature: *A. Vukobratovic*  
Certification Body  
at TÜV NORD CERT GmbH

Exam: 2020-11-28

TÜV NORD CERT GmbH  
Am TÜV 1  
42699 Essen  
www.tuv-nord.com

**TUV NORD**

**CERTIFICATE**

Management system as per  
ISO 14001:2015

The Certification Body TÜV NORD CERT GmbH hereby certifies as a result of the audit, assessment and certification decision according to ISO 14001:2015, that the organization

**EXOL doo**  
Meridiana  
10012 Meridiana  
Serbia

operates a management system in accordance with the requirements of ISO 14001:2015 and will be assessed for conformity within the 3 year term of validity of the certificate.

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at TÜV NORD CERT GmbH

Exam: 2020-11-28

TÜV NORD CERT GmbH  
Am TÜV 1  
42699 Essen  
www.tuv-nord.com

**TUV NORD**

**CERTIFICATE**

Management system as per  
ISO 45001:2018

The Certification Body TÜV NORD CERT GmbH hereby certifies as a result of the audit, assessment and certification decision according to ISO 45001:2018, that the organization

**EXOL doo**  
Meridiana  
10012 Meridiana  
Serbia

operates a management system in accordance with the requirements of ISO 45001:2018 and will be assessed for conformity within the 3 year term of validity of the certificate.

Scope

Production of motor and industrial oils and lubricants and sale and distribution of batteries

Certificate Registration No. 44 100 2400007  
Valid from: 2020-11-28  
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# EXOL

## MOTOR OILS



# EXOL

## MOTOR OILS

### PRODUCT'S TECHNICAL CHARACTERISTICS



Product name	SYNTH RACING PREMIUM SAE 5W30	SYNTH RACING SAE 5W30	SYNTH POWER SAE 5W40	SYNTH ELITE SAE 10W40
Viscosity at 100°C (cSt)	12,1	11,5	13,9	14,3
Flash point (°C)	230	224	225	225
Pour point (°C)	-40	-39	-39	-36
Specific gravity at 15°C (g/cm3)	0,860	0,870	0,870	0,870
Specification/ standard	API SN/CF, ACEA C3-12, MB 229.51, VW 504.00/VW 507.00, BMW LL-04, PORSCHE C30	API SN/CF, ACEA C3-16, MB 229.51/31, MB 229.52, VW 502.00/505.00/505.01, BMW LL-04	API SN/CF, ACEA C3-12, MB 229.31/MB 229.51, VW 502.00/505.01, BMW LL-04, PORSCHE A40	API SN/CF, ACEA A3/B4 - 04, MB 229.1, VW 505.00/VW 501.01
Packaging:	1L, 4L, 10L, 60L, 205L			
Usage:	Fully synthetic multigrade motor oil that meets strictest requirements for gasoline and diesel engines of passenger cars and light trucks. Its exceptional fluidity is perfectly adapted for engine cold start in extremely cold operating conditions and provides good protection of engine parts at high operating temperatures. It is recommended for engines that meet EURO4, EURO5 and EURO6 emission requirements.			

### PRODUCT'S TECHNICAL CHARACTERISTICS



Product name	PREMIUM SAE 15W40	DIESEL ELITE SAE 15W40	GAS OIL SAE 15W40	MAGNUM SAE 20W50	LONG LIFE SAE 20W60
Viscosity at 100°C (cSt)	14,5	14,4	14,4	18,2	23,2
Flash point (°C)	225	225	225	230	242
Pour point (°C)	-24	-24	-24	-24	-22
Specific gravity at 15°C (g/cm3)	0,880	0,880	0,884	0,890	0,895
Specification/ standard	API SG/CF, ACEA A2/B2-96, MB 228.0/MB 228.1	API CG-4/CF-4/CF/SJ, MB 228.1, MAN 271	API SJ/CF, ACEA A2/B2-96, MAN M3271	API SG/CF, ACEA A2/B2-96, MB 228.0/MB 228.1	
Packaging:	1L, 4L, 10L, 60L, 205L	1L, 60L, 205L	1L, 60L, 205L	1L, 4L, 10L, 60L, 205L	1L, 4L, 10L, 60L, 205L
Usage:	Multigrade mineral oil for lubrication of all types of gasoline and diesel engines of passenger cars and light trucks with and/or without turbochargers. Formulated in accordance with the highest standards, it enables flawless engine performance.	High-quality multigrade mineral oil for diesel engines of passenger cars and light trucks. It provides excellent protection against wear, corrosion and oxidation, as well as smooth engine performance in all weather conditions. Can be used in gasoline engines as well.	High-quality multigrade mineral motor oil for passenger cars and light trucks with gas installation. Provides excellent engine protection and use in all weather conditions. It contains a low level of sulphated ash.	Multigrade mineral oil for lubrication of all types of gasoline and diesel engines of passenger cars and light trucks with and/or without turbochargers. Formulated in accordance with the highest standards, it enables flawless engine performance.	High-quality mineral oil for gasoline and diesel engines of passenger cars and light trucks. It is intended mainly for use in older engines with increased oil consumption and reduced compression.



# EXOL

## MOTOR OILS



# EXOL

## MOTOR OILS

### PRODUCT'S TECHNICAL CHARACTERISTICS



Product name	SAE 10W	SAE 30	SAE 40
Viscosity at 100°C (cSt)	5,8	11	15,2
Flash point (°C)	210	220	230
Pour point (°C)	-30	-18	-12
Specific gravity at 15°C (g/cm3)	0,880	0,895	0,897
tbn, mg koh	8,5	8,5	8,5
Specification/ standard	API CD/SF		
Packaging:	1L, 10L, 60L, 205L	1L, 1L PET, 2L PET, 4L, 5L PET, 10L, 60L, 205L	1L, 4L, 10L, 205L
Usage:	These quality mineral monograde oils are intended for use in heavy-duty diesel engines with or without turbochargers. They are recommended mainly for use with older fleets.		

### PRODUCT'S TECHNICAL CHARACTERISTICS



Product name	2T	2T SYNTH	SEMI SYNTH	2T SCOOTER SYNTH	MOTO SYNTH SAE 10W40	MOTO SYNTH SAE 15W50
Viscosity at 100°C (cSt)	12	7,8	7,8	7,8	13,8	17,5
Flash point (°C)	170	170	170	170	230	245
Pour point (°C)	-20	-24	-24	-24	-40	-34
Specific gravity at 15°C (g/cm3)	0,875	0,870	0,870	0,870	0,878	0,876
Specification/ standard	API TC, JASO FC, ISO-L-EGC	API TC, JASO FD, ISO L-EGD, HUSQVARNA 272, PIAGGIO HEXAGON			JASO MA2, API SL	
Packaging:	0,1L, 0,5L, 1L, 10L, 60L, 205L	0,1L, 0,2L, 10L, 60L, 205L	0,1L, 0,2L, 10L, 60L, 205L	1L, 10L, 60L, 205L	1L, 10L, 60L, 205L	
Usage:	High-quality mineral oil intended for two-stroke engines, lawnmowers and chainsaws. High quality ashless additives achieve complete oil combustion so that it leaves no traces on the internal components of the engine. It should be mixed with fuel in a ratio recommended by the engine manufacturer, usually in a ratio of 1:50.	Premium fully synthetic motor oil for lubrication of new generation two-stroke engines that use gasoline as fuel. It should be mixed with fuel in a ratio recommended by the engine manufacturer, usually in a ratio of 1:50.	High-quality synthetic based motor oil for lubrication of newer generation two-stroke gasoline engines (scooters, chainsaws, etc.). It should be mixed with fuel in a ratio recommended by the engine manufacturer, usually in a ratio of 1:50.	High-quality synthetic based motor oil for lubrication of two-stroke scooter engines of the latest generation. It should be mixed with fuel in a ratio recommended by the engine manufacturer, usually in a ratio of 1:50.	High-quality synthetic based multigrade high-performance motor oil for four-stroke motorcycle engines. It is recommended for the lubrication of water- and air-cooled motorcycle engines. It is suitable for lubrication of wet clutches, as well as gearboxes, thanks to its improved friction characteristics.	



# EXOL

## MOTOR OILS - HD RANGE



# EXOL

## MOTOR OILS – HD RANGE

### PRODUCT'S TECHNICAL CHARACTERISTICS



Product name	LONG HAUL SAE 10W40	HD SYNTH SAE 10W40	HD SYNTH SAE 10W30	TURBO LONG PREMIUM SAE 15W40	TURBO LONG PREMIUM SAE 20W50
Viscosity at 100°C (cSt)	14,5	14,8	11,2	15	18,6
Flash point (°C)	215	230	230	230	230
Pour point (°C)	-30	-36	-38	-28	-28
Specific gravity at 15°C (g/cm3)	0,860	0,880	0,870	0,880	0,885
Specification/ standard	API CI-4, ACEA E9-16; MB 228.51/228.31, MAN M3477/M3271-1, VDS-4, RLD-3, MTU type 3.1, EO-4 PP, CES 20081, ECF-3/ECF-2, DQC IV-10 LA		API CI-4/CH-4/CG-4/CF-4/CF/SL, ACEA E7-12, A3/B4-12, MB 228.3/229.1, MAN M 3275, VOLVO VDS 3, CUMMINS 20077/78, GLOBAL DHD-1 RENAULT TRUCK RLD-2		
Packaging:	4L, 10L, 60L, 205L				
Usage:	Premium fully synthetic multi-grade „SHPD“ motor oil (Super High Performance Diesel Oil) formulated with lower levels of sulphated ash, phosphorus and sulfur to maintain exhaust system efficiency. Ensures long service life of turbocharged diesel engines and long service life of exhaust gas treatment devices: particulate filters (DPF).	High-quality synthetic based multigrade „SHPD“ engine oil (Super High Performance Diesel) . It provides good protection against wear, has excellent detergent properties which prevent formation of deposits in the engine and enable a long period of exploitation. It can be used to lubricate most of the modern four-stroke diesel and gasoline powered engines of passenger and commercial vehicles, construction and agricultural machine engines and stationary power units. It is suitable for use with engines that meet EURO4 and EURO5 emissions regulations that do not require limited chemical composition (without DPF filter).		High-quality mineral multigrade „SHPD“ engine oil (Super High Performance Diesel) . It provides good protection against wear, has excellent detergent properties which prevent formation of deposits in the engine and enables a long period of exploitation. It can be used for lubrication of most modern four-stroke diesel and gasoline powered engines of passenger and commercial vehicles, construction and agricultural machine engines, stationary power units. It is suitable for use with engines that meet EURO4 and EURO5 emissions regulations that do not require limited chemical composition (without DPF filter).	

### PRODUCT'S TECHNICAL CHARACTERISTICS



Product name	TURBO LONG SAE15W40	TURBO LONG SAE 20W50	TURBO STAR SAE 15W40	TURBO STAR SAE20W50
Viscosity at 100°C (cSt)	14,4	18,4	14,3	18,3
Flash point (°C)	220	225	225	225
Pour point (°C)	-27	-24	-27	-24
Specific gravity at 15°C (g/cm3)	0,885	0,895	0,885	0,895
Specification/ standard	API CG-4/CF-4/CF, MB 228.1, MAN 271		API CF/SF, MB 227.1, ACEA E1-96	
Packaging:	4L, 10L, 60L, 205L			
Usage:	These premium mineral oils are intended for heavy-duty diesel engines of commercial vehicles with or without turbochargers. They provide exceptional engine treatment and protection in all weather conditions. High quality additives ensure a longer period of exploitation.		These high-quality mineral oils are intended for heavy-duty diesel powered engines of commercial vehicles with or without turbochargers. Due to their universality, they are ideal for a mixed fleet.	



# EXOL



## OILS FOR GEARS AND DIFFERENTIALS



# EXOL

## OILS FOR GEARS AND DIFFERENTIALS

### PRODUCT'S TECHNICAL CHARACTERISTICS



Product name	ATF A	ATF DII	ATF DIII
Viscosity at 100°C (cSt)	7	7,5	7,3
Flash point (°C)	190	190	210
Pour point (°C)	-39	-39	-42
Specific gravity at 15°C (g/cm3)	0,880	0,885	0,860
Specification/ standard	Type A Suffix A	GM DEXRON-IID,ZF TE-ML 21L/17C/04D CATERPILLAR TO-2, ALLISON C4, MB 236.6 VOLVO 97335	GM Dexron III H, Allison C-4, Caterpillar TO-2, ZF- TE-ML 09/11/14, MB 236.1, Voith 55.6336.41
Packaging:	1L, 10L, 60L, 205L		
Usage:	Quality mineral oil for lubrication of automatic and hydraulic transmissions of motor vehicles.	High-quality mineral oil for lubrication of automatic transmissions, servo devices and hydraulic systems of motor vehicles.	Synthetic based oil for lubrication of automatic transmission servo and hydraulic steering where a quality level of DEXRON DIII is required. Thanks to its high viscosity index it enables reliable application at both low and high temperatures. Good anti-wear and anti-corrosion properties, oxidation stability and shear stability, guarantee maximum protection of all parts in the system and thus enable optimal functioning and extended replacement interval.

### PRODUCT'S TECHNICAL CHARACTERISTICS



Product name	SAE 90	SAE 140	SAE 75W90	SAE 85W90	SAE 85W140
Viscosity at 100°C (cSt)	18,00	26,50	15	17	26
Flash point (°C)	210	215	230	220	220
Pour point (°C)	-20	-12	-38	-24	-24
Specific gravity at 15°C (g/cm3)	0,890	0,900	0,896	0,898	0,900
Specification/ standard	API GL-5/GL-4/GL-2	API GL-5/API GL-4	API GL-5	API GL-5	
Packaging:	1L, 1L PET, 4L, 5L PET, 10L, 60L, 205L	1L, 10, 60L, 205L			
Usage:	High-quality mineral oil for the lubrication of gear transmissions and differentials. Provides reliable protection against wear, corrosion and oxidation. These oils are available with specifications: API GL-5, API-GL-4 and API GL-2.	High-quality mineral oil for lubrication of gear transmissions and differentials. Provides reliable protection against wear, corrosion and oxidation.	Premium, multigrade synthetic based oil. It is intended for lubrication of gearboxes and differentials of vehicles and machinery that operate under conditions of high speeds and shock loads. Provides exceptional protection against wear and corrosion.	High-quality multigrade mineral oil for lubrication of hypoid gear transmissions in motor vehicles operating under conditions of high speeds and shock loads. They provide exceptional protection against wear, corrosion and oxidation.	





# EXOL OILS FOR TRACTORS



EXOL

## OILS FOR TRACTORS

### PRODUCT'S TECHNICAL CHARACTERISTICS

Product name	TRAKTOROL SAE 80W UTTO (HT)	TRAKTOROL SAE 10W30 UTTO (HT)
Viscosity at 100°C (cSt)	11	11
Flash point (°C)	220	226
Pour point (°C)	-27	-30
Specific gravity at 15°C (g/cm3)	0,888	0,880
Specification/ standard	API GL-4, J.DEERE JDM J20C/J20D, M.FERGUSON CMS M1135/1141/1143/1145	
Packaging:	1L PET, 4L, 10L, 60L, 205L	4L, 10L, 60L, 205L
Usage:	Oil with special characteristics adapted to the requirements of tractor transmission and hydraulic systems. It belongs to the group of tractor oils marked „UTTO“ – Universal Tractor Transmission Oil. It is recommended for lubrication of transmissions, wet brakes and tractor hydraulic systems.	



### PRODUCT'S TECHNICAL CHARACTERISTICS

Product name	TRAKTOROL SAE 10W30 STOU (MHT)	TRAKTOROL SAE 15W40 STOU (MHT)
Viscosity at 100°C (cSt)	11,2	14,8
Flash point (°C)	226	226
Pour point (°C)	-30	-27
Specific gravity at 15°C (g/cm3)	0,880	0,890
Specification/ standard	API CF-4/CG-4/SF, J.Deere J27, M.Ferguson CMS 1145/1144/1139, Allison C4, API GL-4, Caterpillar TO-2, ACEA E2, MB 228.3, MAN 271, MIL-L-2104	
Packaging:	4L, 10L, 60L, 205L	
Usage:	Tractor oil marked „STOU“ – Super Tractor Oil Universal. This is a multipurpose multigrade oil with special characteristics for lubrication of gasoline and diesel engines, gearboxes and differentials, wet brakes and hydraulic systems of tractors. It provides excellent lubrication and protection against wear in all weather conditions.	





# Starter **PLUS**

CAR BATTERIES



Good choice!

# EXOL





The EXOL logo is displayed in a large, bold, white font with a stylized 'X'.

## OILS FOR HYDRAULIC SYSTEMS

**EXOL**

## OILS FOR HYDRAULIC SYSTEMS

### PRODUCT'S TECHNICAL CHARACTERISTICS



Product name	HYDRAN HDF 22	HYDRAN HDF 32	HYDRAN HDF 46	HYDRAN HDF 68	HYDRAN HDF 100
Viscosity at 40°C (cSt)	22	32	46	68	100
Flash point (°C)	210	220	230	240	240
Pour point (°C)	-27	-24	-24	-21	-18
Specific gravity at 15°C (g/cm <sup>3</sup> )	0,865	0,870	0,875	0,880	0,885
Specification/ standard	DIN 51524 PART II, VICKERS I-286-S , M-2950-S DENISON HF-0/ HF-1/ HF-2, CINCINNATI MACHINE P68/P69/P70				
Packaging:	1L, 1L PET, 5L PET, 10L, 60L, 205L				
Usage:	These universal, monograde hydraulic mineral oils are recommended as working fluids and tribological agents for all types of modern hydraulic and circulation industrial systems that work in conditions of moderate and relatively constant working and ambient temperatures. These include: hydraulic presses, machine tool hydraulics, plastic processing machines and similar systems that have different types of hydraulic pumps, spindle holders and more. These oils are produced in the following gradation range: HDF 22, HDF 32, HDF 46, HDF 68, HDF 100, HDF 150.				

### PRODUCT'S TECHNICAL CHARACTERISTICS



Product name	HYDRAN HVI 46	HYDRAN HVI 68	HYDRAN HVI 100
Viscosity at 40°C (cSt)	46	68	100
Flash point (°C)	230	240	240
Pour point (°C)	-24	-21	-21
Specific gravity at 15°C (g/cm <sup>3</sup> )	0,875	0,880	0,880
Viscosity index	130	130	130
Specification/ standard	DIN 51524 PART III, VICKERS I-286-S , M-2950-S DENISON HF-0/ HF-1/ HF-2, CINCINNATI MACHINE P68/P69/P70		
Packaging:	1L, 10L, 60L, 205L		
Usage:	These oils are most often used in hydraulic systems that work in wide temperature ranges from -30 to + 50 °C. High temperature stability and viscosity index enable the operation of hydraulic assemblies in extreme working conditions. They are characterized by excellent filterability, adequate lubricity and the ability to protect against friction, wear and corrosion. In particular, their compatibility with non-ferrous metal parts, including silver-plated parts of some hydraulic pumps, should be emphasized. They are particularly suitable for the hydraulics of agricultural, construction and similar machines that operate in conditions of frequent and large temperature changes in the environment, as well as for special industrial and marine hydraulics. These oils are produced in the following gradation range: HVI 22, HVI 32, HVI 46, HVI 68, HVI 100, HVI 150.		



# EXOL

## INDUSTRIAL OILS

### PRODUCT'S TECHNICAL CHARACTERISTICS



Product name	TERMANOL 32	TERMANOL 100	REDO 68	REDO 100	REDO 150	REDO 220	REDO 320	REDO 460	REDO 680	CIRKOIL 22	CIRKOIL 32	CIRKOIL 46	CIRKOIL 68	CIRKOIL 100
Viscosity at 40°C (cSt)	32	100	68	100	150	220	320	460	680	22	32	46	68	100
Flash point (°C)	220	230	230	230	240	240	250	250	255	200	200	200	200	205
Pour point (°C)	-15	-10	-21	-18	-15	-15	-12	-12	-9	-15	-15	-15	-15	-10
Specific gravity at 15°C (g/cm3)	0,875	0,880	0,860	0,860	0,865	0,870	0,875	0,880	0,885	0,900	0,905	0,905	0,905	0,910
SPECIFICATION/ STANDARD/ special characteristics	DIN 51 522-Q		DIN 51 517-CLP, AGMA 9005-E02, DIN 51517-CLP(PART 3), U.S.STEEL 224							With rust protection properties				
Packaging:	1L, 10L, 60L, 205L													
Usage:	Mineral oil with high thermal and oxidation stability for heat transfer in closed systems. These oils are produced in the following grades: 22, 32, 46, 68, 100, and 150.		High-quality mineral oil with EP additive for closed gears in industrial use, as well as for highly loaded sliding and angular bearings.							Quality mineral circulation oils of different viscosity gradations. These oils contain oxidation and rust inhibitors and show no tendency to foam. They are used in circulation systems under pressure, as well as for lubricating bearings.				

# EXOL

## INDUSTRIAL OILS

### PRODUCT'S TECHNICAL CHARACTERISTICS



Product name	REZOIL 30	ECO SYNTH 30	ECO SYNTH 50	KALENOL 32	KALENOL 46	KLIZOL 32	KLIZOL 68	KLIZOL 100	KLIZOL 150	KLIZOL 220
Viscosity at 40°C (cSt)	29,0			32	46	32	68	100	150	220
Flash point (°C)	220			200	220	220	230	230	240	240
Pour point (°C)						-27	-27	-24	-18	-15
Specific gravity at 15°C (g/cm3)		1,040	1,064	0,875	0,880	0,880	0,885	0,890	0,895	0,895
SPECIFICATION/ STANDARD/ special characteristics	ISO-L-MA / PH value(5%) - 9.1 Corrosivity: SL-16 (4%) - 0/0 Clear oil - milk emulsion	ECO SYNTH 30: ISO-L- MAH *pH (3.5% in water): 8.2 * recommended participation in the solution: 5-7%	ECO SYNTH 50: ISO-L- MAH *pH (3.5% u vod): 8.1 *participation in the solution: 3-7%	Cooling speed - za 32 : 18, za 46 : 27			DIN 51 502, CINCINNATI MILACRON P-50			
Packaging:	1L, 10L, 60L, 205L									
Usage:	Emulsifying oil used in production operations of finish- ing steel, gray cast iron, malleable cast iron and non-ferrous metals such as turning, drilling, milling, ream- ing and cutting in co- centrations of 3-10%.	Biodegradable synthetic conce- ntrate used for forming a solution with water which provides high- quality cooling, lubrication, anti- corrosion protection, high-quality processed surface of medium to difficult to process steel, gray cast iron, light and non-ferrous metals, operations: scraping, milling, drilling, reaming, grinding.			Universal tempering oils with the most optimal results in the temperature range be- tween 220-240 °C. It is used for hardening of all types of steel.		High-quality oil for lubrication of slideways as well as combined hydraulics and slideways systems.			

### PRODUCT'S TECHNICAL CHARACTERISTICS



Product name	KOMPRESAN KR 46	KOMPRESAN KR 100	KOMPRESAN KR 150	KOMPRESAN KR 220	KOMPRESAN KV 46	KOMPRESAN KV 68	KOMPRESAN KV 100	KOMPRESAN KV 150	OPLATOL
Viscosity at 40°C (cSt)	46	100	150	220	46	48	100	150	45
Flash point (°C)	220	230	240	250	220	220	230	240	200
Pour point (°C)	-18	-15	-12	-12	-18	-18	-15	-12	-18
Specific gravity at 15°C (g/cm3)	0,875	0,885	0,890	0,895	0,875	0,875	0,885	0,890	0,860
SPECIFICATION/ STANDARD/ special characteristics	DIN 51506-VBL/VCL/VDL				DIN 51506- VB/VBL				
Packaging:	1L, 10L, 60L, 205L								
Usage:	Quality oil for the lubrication of rotary air compressors, formulated with additives that enable high oxidation stability. It can be used for lubrication of stationary as well as mobile compressors.				Quality oil for reciprocating air compressors, formulated with additives that enable high oxidation stability.				The product is intended as a tool for easy separation of formwork in concrete works. It is used simply by coating the formwork with a thin layer of oil.





# EXOL

## COOLANTS and THERMOFLUIDS



# EXOL

## COOLANTS and THERMOFLUIDS

### PRODUCT'S TECHNICAL CHARACTERISTICS



Product name	ANTIFREEZE 100	ANTIFREEZE 40	ANTIFREEZE G12	ANTIFREEZE G12 40%	ANTIFREEZE G13
Freezing point (°C) 50:50	-38	-24	-38	-24	-38
Specific gravity at 20°C (g/cm <sup>3</sup> )	1,140	1,050	1,150	1,060	1,160
Specification/Standards	SAE J1034, BS 6580, ASTM D3306		ASTM D3306/4656, VW TL-774 F/D (G12+/G12), MAN 324-SNF	ASTM D3306/4656, VW TL-774 F/D (G12+/G12), MAN 324-SNF	ASTM D3306, BS 6580:2010, VW TL-774 J (G13, G12++), AUDI TL-774 J, SEAT TL-774 J, Porsche TL-774 J
Package:	1kg, 1kg PET, 10kg, 60kg, 220kg	1kg, 1kg PET, 10kg, 60kg, 220kg	1kg, 1kg PET, 10kg, 60kg, 220kg	1kg, 1kg PET, 10kg, 60kg, 220kg	1kg, 10kg, 60kg, 220kg
Usage:	Concentrated agent intended for preparation of coolant. It is used for engine cooling as well as protection against freezing and corrosion of the cooling system in motor vehicles. It should be mixed with water in an appropriate ratio according to the mixing table. This type of antifreeze is made according to the hybrid organic formulation (H-OAT). The recommended replacement interval is 2 years.	It is recommended for cooling systems of motor vehicles for engine cooling, protection against freezing and corrosion. It should be used undiluted. This type of antifreeze is made according to the hybrid organic formulation (H-OAT). The recommended replacement interval is 2 years.	It acts as both an antifreeze and an engine coolant and provides excellent corrosion protection for all metal and alloy systems found in most engines. Contains anti-corrosion additives without nitrite, silicate and phosphate. This type of antifreeze is classified as an OAT coolant (organic). The recommended replacement interval is 5 years.	It acts as both an antifreeze and an engine coolant and provides excellent corrosion protection for all metal and alloy systems found in most engines. Contains anti-corrosion additives without nitrite, silicate and phosphate. It should be used undiluted. This type of antifreeze is classified as an OAT coolant (organic). The recommended replacement interval is 5 years.	One of the latest generation of coolants recommended for modern fleets. Provides long-term protection against corrosion, especially of all aluminum alloys and light metals. It is an organic formula coolant (OAT). The recommended replacement interval is 5 years.

### PRODUCT'S TECHNICAL CHARACTERISTICS



Product name	TERMOFLUID CONCENTRATE	TERMOFLUID -50	TERMOFLUID -25	NON-TOXIC TERMOFLUID
Freezing point (°C) 50:50	-35	-21	Ready to use do -25	-35
Specific gravity at 20°C (g/cm <sup>3</sup> )	1,11-1,14	1,09-1,12	1,06-1,08	1,11-1,14
Package:	10L, 60L, 205L			
Usage:	Antifreeze for central heating, underfloor heating, water heating systems, circular cooling systems (not used in the food industry) and packaging blowing machines (closed cooling systems). Depending on the concentrate solution, it can be used in temperature ranges from -45°C to +110°C.	Antifreeze for central and floor heating, water heating systems, as well as for closed and circular water cooling systems. It should be used undiluted. It is not for use in the food industry.	This non-toxic antifreeze is a concentrated liquid used in sanitary water preparation systems and some types of solar powered systems. Formulated on a basis of monopropylene glycol it is an excellent heat transfer agent which protects against freezing as well. Depending on the concentrate solution it can be used in temperature ranges from -45°C to +110°C. It can be used in all cooling and heating systems in the food industry, where this type of antifreeze is required.	



# EXOL

## COMPLEMENTARY PROGRAM



### PRODUCT'S TECHNICAL CHARACTERISTICS

Product name	SAE 10W TO-4		SAE 30 TO-4		SAE 50 TO-4	
Special characteristics:	Density at 15°C (g/cm³)	0,870	Density at 15°C (g/cm³)	0,890	Density at 15°C (g/cm³)	0,920
	Flash point (°C)	220	Flash point (°C)	240	Flash point (°C)	260
	Liquid point (°C)	-33	Liquid point (°C)	-28	Liquid point (°C)	-21
Specification:	Allison C-4, Caterpillar TO-4, DANA Powershift Transmissions, Komatsu KES 07.868.1, ZF TE-ML 03C					
Packaging:	10L, 60L, 205L					
Usage:	This is a specially formulated oil for lubricating transmissions and hydraulic systems of heavy off-road machinery: excavators, mining and agricultural machinery, especially Caterpillar (not recommended for engine lubrication).					

# EXOL

## COMPLEMENTARY PROGRAM



Product name	CHAIN OIL PREMIUM	CHAIN OIL	CHAIN OIL	ALFAMIN	DIESEL PLUS
Special characteristics:	Viscosity at 100°C: 11 Flash point (°C): 240 Pour point (°C): -27 Specific gravity at 15°C (g/cm³): 0,888 Specification: ISO 6743-1 (L-AC)	Viscosity at 100°C: 9,5 Flash point (°C): 240 Pour point (°C): -27 Specific gravity at 15°C (g/cm³): 0,880	Viscosity at 100°C: 11 Flash point (°C): 240 Pour point (°C): -27 Specific gravity at 15°C (g/cm³): 0,888 Specification: ISO 6743-1 (L-AC)	Flash point (°C): 85 pH value 5% emulsion: 9 PAM: 10%	Flash point (°C): 263 Liquid point (°C): -25
Packaging:	1L, 10L, 60L, 205L	1L, 1L PET, 2L PET, 5L PET, 10L, 60L, 205L	0,1L	1L PET, 10L, 60L, 205L	0,25L
Usage:	Oil for cooling and lubricating chains of chainsaws formulated with a corrosion inhibitor, a freezing point depressant and an additive that enables excellent oil adhesion to the chain.	Oil for cooling and lubrication of chains and gears formulated with corrosion inhibitors, a freezing point depressant, as well as an additive that enables better adhesion of the oil on the chain.	Oil for cooling and lubrication of chains and gears formulated with corrosion inhibitors, a freezing point depressant, as well as an additive that enables better adhesion of the oil on the chain.	It is used as a means for degreasing and cleaning the external surfaces of engines, machines and other assemblies as a concentrate or diluted with water, oil or petrol in a ratio range of 1:1 to 1:10. After application, leave it on for up to 30 minutes, then rinse with a strong jet of water.	Phosphorus-free additive for diesel fuel with low sulfur content. With an addition of this additive a protective layer is formed on the metal surfaces of fuel injection systems, which reduces friction and increases lubricity.

### PRODUCT'S TECHNICAL CHARACTERISTICS



Product name	WINDSHIELD CLEANER FLUID (WINTER)	WINDSHIELD CLEANER FLUID (SUMMER)	CALCIUM GREASE	DOT - 3	DOT - 4
Special characteristics:	Freezing point (°C): -20 Specific gravity at 20 °C (g/cm³): 0,950	Specific gravity at 20 °C (g/cm³): 0,960	Type of grease: LM-2 (calcium) NLGI specification: 2 Melting point (°C): 100 Flash point (°C): 220	Specification: FM VSS No 116 DOT3, SAE J-1703, ISO 4925 Class 3 Density 20 °C (g/cm³): 1,02 pH: 9,3 Boiling point (°C): >205 Wet boiling point (°C): >140	Specification: FM VSS No 116 DOT4, SAE J-17034, ISO 4925 Class 4 Density at 20 °C (g/cm³): 1,06 Ph: 8,4 Boiling point (°C): >230 Wet boiling point (°C): >155
Packaging:	1L PET, 2L PET, 5L PET, 60L, 205L		0.9kg, 3kg, 15kg, 180kg	0,5L	
Usage:	Fragrant cleaner for windshields and headlights. Ready to use.		Universal grease for lubricating bearings, slides, bearings, etc. It performs well in a wide temperature range.	Fluid designed for brakes and braking systems. It is used in vehicle braking systems and in all hydraulic transfer mechanisms for braking.	



# EXOL

# EXOL

## OIL CLASSIFICATION AND WHY IS IT IMPORTANT?

When familiarizing yourself with a range of products our company has in offer, you could see a lot of different quality gradation specs and compatibility recommendations for engines or work machines for which they were designed. Like many products, motor oils have their own gradations of quality. Main properties that characterize each engine oil are a degree of viscosity and a degree of protection against wear due to friction between parts of the engine. Certain nomenclatures for oil classification have been developed from these properties. The most popular are:

SAE - is a measure of viscosity, i.e. oil mobility. It was presented by the Society of Automotive Engineers (SAE).

API - is a measure of the quality of engine wear protection. It was presented by the American Petroleum Institute (API).

ACEA - also represents a measure of quality of wear protection. It was presented by the Association of European Automobile Manufacturers (Association des Constructeurs Europeens de l'Automobile - ACEA).

From all of the above, you can see that it is very important to take into account which specification a particular oil meets. Exxol d.o.o. production range covers most of types and grades of oils that are in demand. For all our products you can easily find all important information in our catalog. If, however, you are not sure which specification you need, with the help of our professional staff you will always be able to easily choose the right oil for you.

