

CHEMPLOIL

LET THE RACE BEGIN!



AUTOMOTIVE OILS & FLUIDS



The company CHAMPION CHEMICALS LTD unites years of sales experience and modern production technologies of engine and transmission oils by offering lubricants under the brand CHEMPIOIL.

Our products distinguish themselves by high quality and distinctive features, both of which have been confirmed by laboratory tests as well as by practical operation in different type of engines and transmissions.

Our reasonable approach towards the market allows us to reduce the costs on the way to our consumers to a minimum.

High accuracy "LIKE A SWISS WATCH" and quality control during production are our company's main principles.

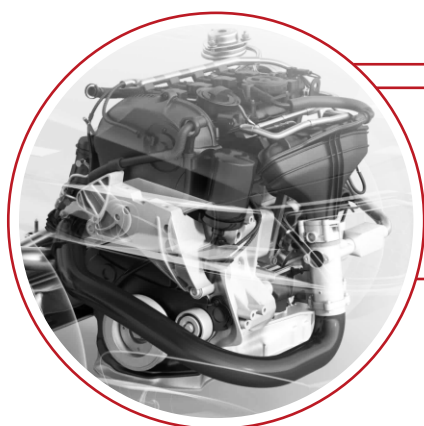


Our team has been working hard meeting all the newest requirements and specifications. And now we are proud to present you our new technology - SCT ESTER.

Ester-based oils are widely used in aero and space industry as they are highly resistant to extreme temperatures.

Such lubricants have got reverse polarity to metal, thus the ester molecules are attracted to the engine parts on atomic level and constantly stick over the entire surface. That means the oil film is way much thicker and solid and insures reliable protection of all the engine parts and high antiwear properties even at extreme temperatures and pressure, and thus prolongs its life.

This formula also guaranties good pumpability, oxidation resistance at high temperatures, minimal foaming and evaporation.



ENGINE OILS FOR CARS AND TRANSPORTERS

SYNTHETIC ENGINE OILS

9505 Optima SN
9701 Ultra XTT
9702 Ultra LRX
9703 Ultra XDI
9705 Ultra RS+Ester
9719 Ultra PD
9720 Ultra JP
9722 Ultra SN
9725 Ultra SN Plus
9726 Ultra XJP
9727 Ultra RN

SYNTHETIC BLEND ENGINE OILS

9501 Optima GT

CONVENTIONAL ENGINE OILS

7408 SAE 60
9401 Multi HQ
9403 SAE 50
9404 SAE 40
9506 Multi SN

OILS FOR MOTORBIKES AND OUTBOARDS

MOTORCYCLE OILS

9201 Moto 2T
9305 Moto 4T Plus
9307 Moto 4T Ultra
9310 Moto 4T

ENGINE OILS FOR TRUCKS AND BUSES

SHPD

9101 CH-1 TRUCK
9102 CH-2 TRUCK
9103 CH-3 TRUCK Super
9104 CH-4 TRUCK Super
9115 CH-15 TRUCK
9118 CH-18 TRUCK
9120 CH-20 TRUCK
9121 CH-21

UHPD

9105 CH-5 TRUCK Ultra
9106 CH-6 TRUCK Ultra Eco
9107 CH-7 TRUCK Blue
9108 CH-8 TRUCK Extra
9114 CH-14 TRUCK
9117 CH-17 TRUCK Blue
9123 CH-23
9124 CH-24

TRANSMISSION FLUIDS AND GEAR OILS

GEAR OILS

8801 Syncro GLV
8802 Hypoid GLS
8803 Hypoid LSD
8804 MTF-4
8805 Basic GLC
8806 Syncro GLX
8810 SAE 90
8811 SAE 140
8812 Gear HGO

AUTOMATIC TRANSMISSION FLUIDS

8901 ATF D-II
8902 ATF D-III
8904 Multi ATF
8913 ATF CVT



OPERATING AND SERVICE FLUIDS

COOLANT FLUIDS

4311 Truck AFG 11
4312 Truck AFG 12+
4313 Truck AFG 13

HIGH-PURITY UREA SOLUTION

3001 AdBlue®

INDUSTRIAL AND MARINE OILS

METALWORKING FLUIDS

1103 Emulsion

OILS FOR HEAVY LOADS

2801 Gear Oil
3101 - 3104 M.O.

COMPRESSOR OILS

2901 - 2904 Compressor Oil

HYDRAULIC OILS

2101 - 2103 Hydro
2201 - 2203 Hydro HV

TRANSMISSION AND DRIVE TRAIN OIL

2601 - 2602 TO-4 Powertrain Oil

OILS FOR AGRICULTURAL AND CONSTRUCTION MACHINERY

UNIVERSAL TRACTOR TRANSMISSION OIL

2701 Multi UTTO WB 101

SUPER TRACTOR OIL UNIVERSAL

2501 - 2502 Multifarm STOU

GARDEN EQUIPMENT OILS

1101 Kettenoel



ULTRA SN Plus

9725

Fully synthetic motor oil

> **Description:**

Innovative energy-saving premium bi-synthetic engine oil (PAO + esters) for modern petrol engines. Designed to meet the requirements of American, Japanese and Korean automakers. Exceptional fuel economy due to reduced high-temperature viscosity HTHS and optimal anti-friction properties. Highly effective additive package and low-viscosity bi-synthetic base provide reliable cold start in the most severe conditions, thereby significantly reducing engine starting wear.

> **Meets:**

SAE 0W-20	GM dexos1 Gen2	JAGUAR STJLR.51.5122	INFINITI
API SP (RC)	GM 6094M	LAND ROVER STJLR.51.5122	LEXUS
ILSAC GF-6A	CHRYSLER MS-6395	FORD WSS-M2C947-A	MAZDA
HONDA HTO-06	CHRYSLER MS-13340	FORD WSS-M2C947-B1	SUZUKI

> **Volume:/Art.-Nr.:**

1L	CH9725-1	20L	CH9725-20	208L	CH9725-DR
4L	CH9725-4	60L	CH9725-60		
5L	CH9725-5				



ULTRA XJP

9726

Fully synthetic motor oil

> **Description:**

Innovative energy-saving premium bi-synthetic engine oil (PAO + esters) for modern petrol engines. Designed to meet the requirements of American, Japanese and Korean automakers. Exceptional fuel economy due to reduced high-temperature viscosity HTHS and optimal anti-friction properties. Highly effective additive package and low-viscosity synthetic base provide confident cold start in the most severe conditions, thereby significantly reducing engine starting wear.

> **Meets:**

SAE 5W-20	GM dexos1 Gen2	LAND ROVER STJLR.51.5122	MAZDA
API SP (RC)	GM 6094M	FORD WSS-M2C930-A/-B	SUZUKI
ILSAC GF-6A	CHRYSLER MS-6395	FORD WSS-M2C925-A/-B	
HONDA HTO-06	CHRYSLER MS-13340	FORD WSS-M2C945-B1	
FIAT 9.55535-CR1	JAGUAR STJLR.51.5122	FORD WSS-M2C948-B	

> **Volume:/Art.-Nr.:**

1L	CH9726-1	20L	CH9726-20	208L	CH9726-DR
4L	CH9726-4	60L	CH9726-60		
5L	CH9726-5				



ULTRA LRX

9702

Fully synthetic motor oil

- > **Description:**
Innovative universal multigrade bi-synthetic (PAO + esters) premium motor oil for modern petrol and diesel engines (including those with direct injection) with and without turbocharging, including those equipped with pump nozzles (Pumpe-Duse). Designed based on VW and DAIMLER requirements.

- > **Meets:**
- | | | |
|-----------|--------------|--------------------|
| SAE 5W-30 | MB 229.51 | VW 504 00 Approval |
| API SN | VW TL 52 195 | VW 507 00 Approval |
| ACEA C3 | BMW LL-04 | PORSCHE C30 |

> **Volume;/Art.-Nr.:**

1L	CH9702-1	1L ME	CH9702-1ME	208L	CH9702-DR
4L	CH9702-4	20L	CH9702-20		
5L	CH9702-5	60L	CH9702-60		



ULTRA XTT

9701

Fully synthetic motor oil

- > **Description:**
Innovative universal ester-containing premium motor oil for modern petrol and diesel engines with and without turbocharging, including "old" brands and high mileage. Designed based on the requirements of European producers.

- > **Meets:**
- | | | | |
|-------------|------------------|----------------------|--------------------|
| SAE 5W-40 | VW 502 00/505 00 | MB 229.5/229.3/226.5 | CHRYSLER MS-10850 |
| ACEA A3/B4 | PORSCHE A40 | BMW LL-01/-98 | CHRYSLER MS-10896 |
| API SN/CH-4 | RENAULT RN0710 | PSA B71 2296 | CHRYSLER MS-12991 |
| JASO MA2 | RENAULT RN0700 | FIAT 9.55535-H2/-Z2 | GM LL-A-025/-B-025 |

> **Volume;/Art.-Nr.:**

1L	CH9701-1	60L	CH9701-60
4L	CH9701-4	208L	CH9701-DR
20L	CH9701-20		



ULTRA RS+ESTER

9705

Fully synthetic motor oil

- > **Description:**
Universal bi-synthetic (PAO + esters) premium motor oil designed for new generations of all types of engines operating in harsh and extreme operating conditions. Designed to meet the requirements of manufacturers of sports and racing cars.

- > **Meets:**
- | |
|------------|
| SAE 10W-60 |
| API SN/CF |
| ACEA A3/B4 |

> **Volume;/Art.-Nr.:**

1L ME	CH9705-1ME	4L ME	CH9705-4ME
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ULTRA JP

9720

Synthetic motor oil

Description:

Innovative, energy-saving ester-containing fully synthetic premium engine oil for modern petrol engines. Designed in accordance with the requirements of American, Japanese and Korean automakers specifically for engines with direct injection systems (GDI, D4, NEO-DI, CGI DISI, I-CDTI), turbocharged.

Meets:

SAE 5W-30	CHRYSLER MS-6395	HONDA HTO-06
API SN Plus	CHRYSLER MS-13340	LEXUS
ILSAC GF-5	FIAT 9.55535-CR1	MAZDA
GM dexos1 Gen2	FORD WSS-M2C929-A	SSANGYONG
GM 6094M	FORD WSS-M2C946-A/-B1	SUZUKI

Volume:/Art.-Nr.:

1L	CH9720-1	20L	CH9720-20	208L	CH9720-DR
4L	CH9720-4	60L	CH9720-60	1000L	CH9720-IBC
1L ME	CH9720-1ME				



ULTRA SN

9722

Synthetic motor oil

Description:

Innovative universal premium ester-containing engine oil for modern petrol and diesel engines with and without turbocharging. Designed based on the requirements of European car manufacturers. Ester technology and a synthetic base with an optimal range of viscous-temperature properties ensures efficient operation of the engine in all operating modes (during cold start, in urban mode, in track mode) and in conditions of frequent temperature change patterns.

Meets:

SAE 5W-30	VW 502 00/505 00	BMW LL-98
API SN/CH-4	VW 503 01/501 01	RENAULT RN0710/RN0700
ACEA A3/B4	MB 229.3/229.5	FORD WSS-M2C913-B

Volume:/Art.-Nr.:

1L	CH9722-1	20L	CH9722-20	208L	CH9722-DR
4L	CH9722-4	60L	CH9722-60	1000L	CH9722-IBC
5L	CH9722-5				



ULTRA PD

9719

Synthetic motor oil

Description:

Innovative universal energy-saving ester-containing fully synthetic premium motor oil for modern diesel engines (including those with direct injection) and petrol engines with and without turbocharging, including those equipped with pump nozzles (Pumpe-Duse). Designed based on VW and DAIMLER requirements.

Meets:

SAE 5W-40	PORSCHE A40	VW 505 00
API SN	RENAULT RN0700/RN0710	CHRYSLER MS-11106
ACEA C2, C3	FORD WSS-M2C917-A	FIAT 9.55535-S2
GM dexos2	MB 229.51/229.31	FIAT 9.55535-GH2
BMW LL-04	VW 505 01	

Volume:/Art.-Nr.:

1L	CH9719-1	20L	CH9719-20	208L	CH9719-DR
4L	CH9719-4	60L	CH9719-60		
5L	CH9719-5				



ULTRA XDI

9703

Synthetic diesel motor oil

Description:
Innovative ester-containing fully synthetic premium engine oil for modern high-performance turbo diesel engines. Developed in accordance with the requirements of the VW group.

Meets:

SAE 5W-40	VW 502 00/505 00	RENAULT RN0710	CHRYSLER MS-10896
API SN/CJ-4	BMW LL-01/-98	RENAULT RN0700	CHRYSLER MS-12991
ACEA A3/B4	PORSCHE A40	FIAT 9.55535-H2/-Z2	GM LL-A-025/LL-B-025
MB 229.5/229.3	PSA B71 2296	CHRYSLER MS-10850	

Volume:/Art.-Nr.:

5L	CH9703-5	5L ME	CH9703-5ME	60L	CH9703-60
4L ME	CH9703-4ME	20L	CH9703-20	208L	CH9703-DR



OPTIMA SN

9505

HC synthese motor oil

Description:
Hydro-synthetic universal motor oil for all types of petrol engines. Designed to meet VW and DAIMLER requirements. The hydrosynthetic base ensures efficient operation of the engine in all operating modes: during cold start, in urban mode and in highway mode.

Meets:

SAE 10W-30	VW 501 01
API SN	VW 505 00
ACEA A3/B4	MB 229.1

Volume:/Art.-Nr.:

1L	CH9505-1	20L	CH9505-20	208L	CH9505-DR
4L	CH9505-4	60L	CH9505-60	1000L	CH9505-IBC
5L	CH9505-5				



MULTI HQ

9401

Synthetic blend motor oil

Description:
Universal economy-class engine oil, which is a mixture of synthetic components and a highly refined mineral base, for modern highly accelerated petrol and diesel engines with and without a turbocharger used in difficult operating conditions and engines with a very high mileage used in various operating conditions.

Meets:

SAE 20W-50
API SN/CH-4

Volume:/Art.-Nr.:

1L	CH9401-1	10L	CH9401-10	208L	CH9401-DR
4L	CH9401-4	20L	CH9401-20		
5L	CH9401-5	60L	CH9401-60		



OPTIMA GT

9501

Semi-synthetic motor oil

> **Description:**
Innovative universal ester-containing motor oil on a hydrosynthetic basis for diesel engines, both new and "old" brands and with high mileage. Specially designed for turbocharged engines.

> **Meets:**
SAE 10W-40 JASO MA2 MB 229.3/229.1
API SN/CH-4 VW 501 01/502 00 PSA B71 2296
ACEA A3/B4 VW 500 00/505 00 RENAULT RN0700/RN0710

> **Volume:/Art.-Nr.:**

1L	CH9501-1	20L	CH9501-20	208L	CH9501-DR
4L	CH9501-4	60L	CH9501-60		
5L	CH9501-5				



MULTI SN

9506

Universal motor oil

> **Description:**
All-season universal economy-class engine oil on a highly refined mineral basis for turbocharged and non-turbocharged petrol and diesel engines, including those with very high mileage, operating under various operating conditions.

> **Meets:**
SAE 15W-40 VW 505 00/502 00 PSA B71 2294
API SN/CH-4 VW 501 01/500 00 RENAULT RN0700
ACEA A3/B4 MB 229.3/229.1 RENAULT RN0710

> **Volume:/Art.-Nr.:**

1L	CH9506-1	7L	CH9506-7	60L	CH9506-60
5L	CH9506-5	20L	CH9506-20	208L	CH9506-DR



SAE 40

9404

Universal motor oil

> **Description:**
A high-efficiency monograde mineral engine oil for heavy-load diesel-powered engines with and without a turbocharger operating under harsh conditions at ambient temperatures more than -20 °C.

> **Meets:**
SAE 40
API CH-4/SJ

> **Volume:/Art.-Nr.:**

1L	CH9404-1	20L	CH9404-20	1000L	CH9404-IBC
4L	CH9404-4	60L	CH9404-60		
5L	CH9404-5	208L	CH9404-DR		

SAE 50

9403



Mineral motor oil

> **Description:**

A high-efficiency monograde mineral engine oil for heavy-load diesel-powered engines with and without a turbocharger operating under very harsh conditions at ambient temperatures more than -15 °C. Due to the absence of viscosifiers, it is less susceptible to destruction and ageing than analogues all-season oils, it has an extended expected life which, when combined with a low evaporation ability that reduces oil consumption through burning, allows using it in engines with an extended oil replacement age.

> **Meets:**

SAE 50
API CH-4

> **Volume:/Art.-Nr.:**

5L	CH9403-5	20L	CH9403-20	208L	CH9403-DR
10L	CH9403-10	60L	CH9403-60		

SAE 60

7408



Mineral motor oil

> **Description:**

A high-efficiency monograde mineral engine oil for heavy-load diesel-powered engines with and without a turbocharger operating under extra-harsh conditions at ambient temperatures more than -15 °C. Due to the absence of viscosifiers, it is less susceptible to destruction and ageing than analogues all-season oils, it has an extended expected life which, when combined with a low evaporation ability that reduces oil consumption through burning, allows using it in engines with an extended oil replacement age.

> **Meets:**

SAE 60
API CH-4

> **Volume:/Art.-Nr.:**

20L	CH7408-20	208L	CH7408-DR
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ULTRA RN

9727



Fully synthetic motor oil

> **Description:**

Fully synthetic premium engine oil developed for diesel engines with DPF filters of the new generation of cars with and without a turbocharger and direct injection systems.

> **Meets:**

SAE 5W-30	MB 229.31
ACEA C4	RENAULT RN0720
MB 226.51	LAND ROVER STJLR.03.5005
MB 229.51	

> **Volume:/Art.-Nr.:**

20L	CH9727-20	60L	CH9727-60
		208L	CH9727-DR



MOTO 2T

9201

Universal 2-stroke motor oil



> **Description:**

A universal high-quality mineral-based engine oil for modern high-load and high-speed 2-stroke engines with air cooling. It is suitable for the lubrication by a pre-mixed blend and an automatic mixing in an engine intake.

> **Meets:**

API TC
JASO FB
ISO L-EGB

> **Volume:/Art.-Nr.:**

1L	CH9201-1	20L	CH9201-20
		208L	CH201-DR

MOTO 4T Plus

9305

Fully synthetic motor oil



> **Description:**

High-quality engine oil on a synthetic basis containing esters for modern 4-stroke motorbike engines with integrated and non-integrated gearboxes and oil bath clutches, air and liquid cooled. It may be used in engines with a dry type clutch. It was designed for a guaranteed protection of the engine and the durability of the gearbox.

> **Meets:**

SAE 10W-40
API SN
JASO MA/MA2

> **Volume:/Art.-Nr.:**

1L	CH9305-1
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MOTO 4T Ultra

9307

Universal 4-stroke motor oil

- > **Description:**
A high-quality synthetic-based engine oil for modern 4-stroke engines of two-wheeled vehicles with and without an integrated gearbox and with an oil bath clutch, with air and liquid cooling. It may be used in engines with a dry type clutch. It was designed for a guaranteed protection of the engine and the durability of the gearbox.
- > **Meets:**
SAE 20W-40
API SM
JASO MA2
- > **Volume:/Art.-Nr.:**
1L CH9307-1



MOTO 4T

9310

Semi-synthetic motor oil

- > **Description:**
An innovative semi-synthetic ester-containing engine oil for four-stroke high-load engines of motorcycles, pit bikes, motards, etc. for off-road (enduro, motocross, trials, etc.) and highway (stuntriding, supermoto, etc.) driving under extreme loads. It was designed to protect the engine and the durability of the gearbox.
- > **Meets:**
SAE 15W-50
API SN
JASO MA/MA2
- > **Volume:/Art.-Nr.:**
1L CH9310-1



TRUCK CH-1 SHPD

9101

Universal truck motor oil

> **Description:**

Multigrade mineral engine oil with the addition of hydrosynthetic components for modern heavy-duty and high-speed turbocharged and non-turbocharged diesel engines operating under severe conditions. Especially designed to protect your equipment and get the most out of it, regardless of its operating conditions.

> **Meets:**

SAE 15W-40	ACEA A3/B4	MB 229.1
API CH-4/SL	MAN M 3275-1	MTU Type 2
ACEA E7	MB 228.3	VOLVO VDS-2

> **Volume:/Art.-Nr.:**

5L	CH9101-5	20L	CH9101-20	208L	CH9101-DR
10L	CH9101-10	60L	CH9101-60	1000L	CH9101-IBC



TRUCK CH-2 SHPD

9102

Universal truck motor oil

> **Description:**

Special multi-season, highly alloyed mineral engine oil with the addition of hydrosynthetics for modern, heavy duty and high-speed diesel engines with and without turbocharging, operating in extremely difficult conditions (including, at high ambient temperatures) and for engines with high mileage. Designed specifically to protect equipment and benefit most out of it under extreme loads.

> **Meets:**

SAE 20W-50	ACEA A3/B4	MB 229.1
API CH-4/SL	MAN M 3275-1	MTU Type 2
ACEA E7	MB 228.3	VOLVO VDS-2

> **Volume:/Art.-Nr.:**

10L	CH9102-10	208L	CH9102-DR
20L	CH9102-20	1000L	CH9102-IBC
60L	CH9102-60		



TRUCK CH-3 SHPD Super

9103

Universal truck motor oil

> **Description:**

All-year-round mineral engine oil for modern heavy-duty and high-speed diesel engines with and without turbocharging operated in difficult conditions. Designed specifically to protect machinery and benefit most out of it regardless of operating conditions.

> **Meets:**

SAE 10W-40	MAN M 3275-1
API CH-4/SL	MB 228.3/229.1
ACEA E7	MTU Type 2
ACEA A3/B4	VOLVO VDS-2

> **Volume:/Art.-Nr.:**

20L	CH9103-20	208L	CH9103-DR
		1000L	CH9103-IBC



TRUCK CH-4 SHPD Super

9104

Universal truck motor oil

> **Description:**

Innovative all-weather mineral + esters motor oil for modern heavy duty and high-speed diesel engines with and without turbocharging, operated in difficult conditions. The oil complies with the Global Specification GLOBAL-DHD-1, which takes into account all the requirements of European, American and Japanese manufacturers for heavy diesel engines manufactured since 1998, operating in the most difficult conditions with increased mileage between oil changes that comply with current standards for the content of toxic substances in exhaust gases and installed on heavy vehicles (more than 3.9 tons).

> **Meets:**

SAE 15W-40	ACEA A3/B4	CUMMINS CES 20076/-77/-78	MAN M 3275-1
API CI-4 Plus	JASO DH-1	DETROIT DIESEL 93K215	MB 228.3/228.1
API CI-4/CH-4/SL	GLOBAL DHD-1	MACK EO-N/-M Plus	MTU Type 2
ACEA E7	CATERPILLAR ECF-2/-1-a	VOLVO VDS-3	RENAULT RLD-2

> **Volume:/Art.-Nr.:**

5L	CH9104-5	208L	CH9104-DR
20L	CH9104-20	1000L	CH9104-IBC
60L	CH9104-60		



TRUCK CH-5 UHPD Ultra

9105

Semi-synthetic truck motor oil

> **Description:**

Innovative all-weather semi-synthetic (esters + HC-synthes) motor oil for modern heavy duty and high-speed diesel engines with and without turbocharging, operated in difficult conditions. The oil complies with the Global Specification GLOBAL-DHD-1, which takes into account all the requirements of European, American and Japanese manufacturers for heavy diesel engines manufactured since 1998, operating in the most difficult conditions with increased mileage between oil changes that comply with current standards for the content of toxic substances in exhaust gases and installed on heavy vehicles (more than 3.9 tons).

> **Meets:**

SAE 10W-40	JASO DH-1	CATERPILLAR ECF-2/-1-a	MACK EO-N
API CI-4 Plus	GLOBAL DHD-1	CUMMINS CES 20076/-77/-78	MACK EO-M Plus
API CI-4/CH-4/SL	MAN M 3275-1	DETROIT DIESEL 93K215	RENAULT RLD-2
ACEA E7, A3/B4	MB 228.1/228.3	MTU Type 2	VOLVO VDS-3

> **Volume:/Art.-Nr.:**

20L	CH9105-20	208L	CH9105-DR
60L	CH9105-60	1000L	CH9105-IBC



TRUCK CH-6 UHPD Ultra Eco

9106

Synthetic truck motor oil

> Description:

All-weather modern synthetic motor oil for heavy-duty and high-speed diesel engines with and without turbocharger, operating in difficult conditions. Synthetic base of the highest quality, featuring ideal viscosity in a wide temperature range, provides unsurpassed anti-friction, anti-wear and anti-scuffing properties, which significantly extend the life of equipment in all, even the most extreme, operating modes in a wide range of ambient temperatures and provide significant fuel savings.

> Meets:

SAE 10W-40	CUMMINS CES 20077	MACK EO-N	SCANIA LDF-3 Approval
API CI-4	CUMMINS CES 20078	MAN M 3277	VOLVO VDS-3
ACEA E4	MB 228.5	MTU Type 3	VOITH Class B
ACEA E7	MB 235.28	RENAULT RLD-2	

> Volume;/Art.-Nr.:

10L	CH9106-10	208L	CH9106-DR
20L	CH9106-20	1000L	CH9106-IBC
60L	CH9106-60		



TRUCK CH-7 UHPD Blue

9107

Synthetic truck motor oil

> Description:

All-weather synthetic motor oil for heavy-duty and high-speed diesel engines of the latest generation with and without turbocharger, operating in severe conditions on low sulphur fuel. The oil has successfully passed road and laboratory tests at VOLVO, MERCEDES-BENZ, MAN, MACK and RENAULT centres and has their written approvals.

> Meets:

SAE 10W-40	IVECO (ACEA E6)	MB 228.31	MACK EOS-4.5 Approval
API CK-4/CJ-4	CATERPILLAR ECF-3	MB228.51	RENAULT VI RLD-3 Approval
ACEA E8, E11	CUMMINS CES 20086	MAN M 3477	VOLVO VDS-4.5 Approval
DAF (ACEA E6)	DETROIT DIESEL DDC 93K222	MAN M 3775	

> Volume;/Art.-Nr.:

10L	CH9107-10	208L	CH9107-DR
20L	CH9107-20	1000L	CH9107-IBC
60L	CH9107-60		



TRUCK CH-8 UHPD Extra

9108

Fully synthetic truck motor oil

> Description:

Energy-saving synthetic (PAO-based) motor oil for heavy duty and high-speed diesel engines of the latest generation with and without turbocharging, operating in difficult conditions. The unique low-viscosity synthetic PAO-containing base of the highest quality, with ideal viscosity in the required temperature range, combined with an innovative additive package, provides unrivaled anti-friction, anti-wear and anti-scuffing properties, which significantly extends the life of the equipment in all, even the most complicated, modes works in a fairly wide range of ambient temperatures and offers significant fuel savings.

> Meets:

SAE 5W-30	VOLVO VDS-3	MB 228.5
ACEA E4	MAN M 3277/3377	RENAULT RLD-2
ACEA E7	MACK EO-N	DETROIT DIESEL DDC 93K215
API CI-4	MTU Type 3	CUMMINS CES 20076/-77/-78

> Volume;/Art.-Nr.:

20L	CH9108-20	60L	CH9108-60
		208L	CH9108-DR



TRUCK CH-14 UHPD

9114

Synthetic truck motor oil

> **Description:**

All-weather synthetic motor oil for heavy-duty and high-speed diesel engines with and without turbocharger, operating in difficult conditions. The oil has successfully passed road and laboratory tests at VOLVO, MACK and RENAULT centres and has their written approvals. An innovative additive package in combination with the highest quality synthetic base, featuring optimal viscosity in a wide temperature range, provides excellent anti-friction, anti-wear and anti-scuffing properties.

> **Meets:**

SAE 15W-40	MB 228.31	DETROIT DIESEL DDC 93K222
API CK-4	CATERPILLAR ECF-3	MACK EOS-4.5 Approval
ACEA E7 -22, E9 -16, E11 -22	CUMMINS CES 20086	RENAULT RLD-3 Approval
JASO DH-2	MAN M 3775	VOLVO VDS-4.5 Approval

> **Volume;/Art.-Nr.:**

20L	CH9114-20	208L	CH9114-DR
60L	CH9114-60	1000L	CH9114-IBC



TRUCK CH-15 SHPD

9115

Universal truck motor oil

> **Description:**

Special multi-season, highly alloyed mineral engine oil with the addition of hydrosynthetics for modern, heavy duty and high-speed diesel engines with and without turbocharging, operating in extremely difficult conditions (including, at high ambient temperatures) and for engines with high mileage. The oil complies with the Global Specification GLOBAL-DHD-1, which takes into account all the requirements of European, American and Japanese manufacturers for heavy diesel engines manufactured since 1998, operating in the most difficult conditions with increased mileage between oil changes that comply with current standards for the content of toxic substances in exhaust gases and installed on heavy vehicles (more than 3.9 tons).

> **Meets:**

SAE 20W-50	ACEA A3/B4	MB 228.1/228.3	MTU Type 2
API CI-4 Plus	JASO DH-1	DETROIT DIESEL 93K215	RENAULT RLD-2
API CI-4/CH-4/SL	CATERPILLAR ECF-2/ECF-1-a	MACK EO-N/-M Plus	VOLVO VDS-3
ACEA E7	CUMMINS CES 20076/-77/-78	GLOBAL DHD-1	MAN M 3275-1

> **Volume;/Art.-Nr.:**

20L	CH9115-20	208L	CH9115-DR
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TRUCK CH-17 UHPD Blue

9117

Fully synthetic truck motor oil

> **Description:**

Energy-saving synthetic (PAO-based) motor oil for heavy duty and high-speed diesel engines of the latest generation with and without turbocharging, operating in severe conditions on low sulphur fuel. Designed specifically to protect machinery and benefit most out of it regardless of operating conditions.

> **Meets:**

SAE 5W-30	MB 228.51	SCANIA LDF-4	RENAULT RLD-3
API CK-4	VOLVO VDS 4.5	IVECO (ACEA E6-2016)	MACK EOS-4.5
ACEA E8	CUMMINS CES 20086	DAF (ACEA E6-2016)	CATERPILLAR ECF-3
ACEA E11	MAN M 3677	DETROIT DIESEL DDC93K222	

> **Volume;/Art.-Nr.:**

20L	CH9117-20	208L	CH9117-DR
60L	CH9117-60	1000L	CH9117-IBC



TRUCK CH-18 SHPD

9118

Synthetic truck motor oil

> **Description:**

All-weather synthetic motor oil for heavy-duty and high-speed diesel engines of the latest generation with and without turbocharger, operating in severe conditions on low sulphur fuel. Designed specifically to protect machinery and benefit most out of it regardless of operating conditions.

> **Meets:**

SAE 15W-40	MB 228.31	MAN M 3775	DETROIT DIESEL DDC93K222
API CK-4	MB 228.51	IVECO (ACEA E6-2016)	RENAULT RLD-3
ACEA E8	VOLVO VDS-4.5	DAF (ACEA E6-2016)	MACK EOS-4.5
ACEA E11	CUMMINS CES 20086	CATERPILLAR ECF-3	

> **Volume:/Art.-Nr.:**

20L	CH9118-20	208L	CH9118-DR
		1000L	CH9118-IBC



TRUCK CH-20 SHPD

9120

Synthetic truck motor oil

> **Description:**

All-weather synthetic motor oil for heavy-duty and high-speed diesel engines with and without turbocharger, operating in difficult conditions. The oil has successfully passed road and laboratory tests at VOLVO, MACK and RENAULT centres and has their written approvals.

> **Meets:**

SAE 10W-30	MB 228.31	MTU Type 3.1	CATERPILLAR ECF-2
API C/J-4/CK-4	MB 228.51	DETROIT DIESEL DDC 93K218	CATERPILLAR ECF-3
ACEA E8	MB 235.28	RENAULT Truck RLD-3	CUMMINS CES 20081
ACEA E11	SCANIA Low Ash	MACK EO-O Premium Plus	VOITH Retarder Class B
JASO DH-2	MAN M 3677/M 3477	MACK EO-O Premium Plus -07	VOLVO VDS-4

> **Volume:/Art.-Nr.:**

20L	CH9120-20	208L	CH9120-DR
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TRUCK CH-21 SHPD

9121

Synthetic truck motor oil

> **Description:**

All-weather synthetic motor oil for heavy-duty and high-speed diesel engines of the latest generation with and without turbocharger, operating in severe conditions on low sulphur fuel. The oil has successfully passed road and laboratory tests at VOLVO, MACK and RENAULT centres and has their written approvals.

> **Meets:**

SAE 10W-30	MB 228.31	CATERPILLAR ECF-3	DETROIT DIESEL DDC 93K222
API CK-4/SN	MTU Type 2.1	CUMMINS CES 20086	DETROIT DIESEL DDC 93K223
API C/J-4/CI-4 Plus	ALLISON TES-439	CUMMINS CES 20087	VOLVO VDS-4.5 Approval
ACEA E8, E11	MAN M 3775	RENAULT Truck RLD-4	RENAULT VI RLD-3 Approval
JASO DH-2	MAN M 3575	FORD WSS-M2C171-F1	MACK EOS-4.5 Approval

> **Volume:/Art.-Nr.:**

20L	CH9121-20	208L	CH9121-DR
		1000L	CH9121-IBC



TRUCK 23 UHPD

9123

Synthetic truck motor oil

Description:
Innovative energy-saving synthetic (contains PAO) low-viscosity engine oil developed for the latest generation of turbocharged diesel engines operating under severe conditions, using ultra-low sulphur fuel (15 ppm or less) and equipped with exhaust gas aftertreatment systems: SCR, EGR and DPF. Provides engine protection in accordance with EPA 2010 and GHG 17. Developed to meet the requirements of Volvo and Daimler.

Meets:
SAE 5W-30 JASO DH-2 CUMMINS CES 20087 VOLVO VDS-5
API FA-4 JASO DH-1 DETROIT DIESEL DFS 93K223 SHOW LESS
API SN JASO DL-0 MB 228.61

Volume:/Art.-Nr.:
20L CH9123-20 208L CH9123-DR
1000L CH9123-IBC



TRUCK 24 UHPD

9124

Synthetic truck motor oil

Description:
Innovative energy-saving synthetic (contains PAO) ultra-low viscosity engine oil developed for the latest generation of turbocharged diesel engines operating under severe conditions, running on low and ultra-low sulphur fuels, and equipped with exhaust gas aftertreatment systems: SCR, EGR and DPF, as well as diesel oxidation catalysts (DOC). Developed to meet the requirements of Scania and MAN.

Meets:
SAE 5W-20
SCANIA LDF-5
MAN M 3977

Volume:/Art.-Nr.:
20L CH9124-20 208L CH9124-DR
1000L CH9124-IBC



OPERATING AND SERVICE FLUIDS



ADBLUE®

3001

Diesel fuel additive

Description:
AdBlue® is a high-purity 32,5 % w/w urea solution which is used as an additional working fluid in diesel cars and trucks equipped with SCR technology (Selective Catalytic Reduction). The composition of AdBlue® is specified in DIN 70070. The use of such systems optimises engine performance, reduces the emission of harmful particles in exhaust gases and complies with the environmental standards Euro 4, Euro 5 and Euro 6.

Meets:
DIN 70070
ISO 22241-1/-2/-3

Volume:/Art.-Nr.:
10L AD3001-10 20L AD3001-20
1000L AD3001-IBC



TRUCK AFG 11

4311

Coolant fluid

- > **Description:**
Concentrated antifreeze based on mineral inhibitors – IAT (Inorganic Acid Technology). Antifreeze intended for a year-round use in any modern cooling system for which the use of ethylene-glycol-based antifreeze is recommended.
- > **Meets:**
SAE J1034
ASTM USA D3306/D4340/D4985
NATO S-759
VW TL 774 C
- > **Volume:/Art.-Nr.:**
- | | | | |
|-----|-----------|------|-----------|
| 20L | CH4311-20 | 208L | CH4311-DR |
|-----|-----------|------|-----------|



TRUCK AFG 12+

4312

Coolant fluid

- > **Description:**
A carboxylated (organic – OAT Organic Acid Technology) concentrated antifreeze intended for a year-round use in any modern cooling system for which the use of ethylene-glycol-based antifreeze is recommended. It ensures a reliable protection of any cooling system.
- > **Meets:**
- | | | |
|----------------------------|-----------------------|---------------------------|
| SAE J1034 | CUNA ITALY NC 956-16 | VW TL 774 D/F |
| AFNOR FRANCE NF R15-601 | FVV GERMANY Heft R443 | CHRYSLER MS-9176 |
| AS AUSTRALIA AS 2108 | JIS JAPAN K 2234 | CUMMINS 85T8-2/85T8-4 |
| ASTM USA D3306/D4340/D4985 | NATO S-759 | FORD WSS-M97B44-D |
| BSI GB BS 6580:2010 | UNE SPAIN 26361-88 | GM 6277 M and many others |
- > **Volume:/Art.-Nr.:**
- | | | | |
|-----|-----------|------|-----------|
| 20L | CH4312-20 | 60L | CH4312-60 |
| | | 208L | CH4312-DR |



TRUCK AFG 13

4313

Coolant fluid

- > **Description:**
A hybrid (HOAT – Hybrid Organic Acid Technology) high-technology concentrated antifreeze with excellent operating characteristics intended for a year-round use in any modern cooling system for which the use of mono-ethylene-glycol-based antifreeze is recommended. It ensures a reliable protection of any cooling system.
- > **Meets:**
- | | | | |
|------------|--------------------|----------------|----------------|
| SAE J1034 | FORD ESE-M978B4H-A | JAGUAR | RENAULT Type D |
| NATO S-759 | FORD AF Plus | JOHN DEERE | ROVER |
| BMW | GM 1825 M/1899 M | MAN 324 Typ NF | SAAB |
| DAF | GM SATURN | MB 325.0 | |
- > **Volume:/Art.-Nr.:**
- | | | | |
|-----|-----------|------|-----------|
| 20L | CH4313-20 | 208L | CH4313-DR |
|-----|-----------|------|-----------|



ATF D-II

8901

Automatic transmission Fluid



> **Description:**

A universal all-season mineral-based transmission fluid (ATF) for automatic gearboxes, hydraulic power steering systems, cab tilt mechanisms, car hydraulic clutches and other hydraulic devices, including the ones operating under heavy-duty conditions in trucks and off-road vehicles. It ensures a flawless operation of an automatic gearbox, guarantees minimal wear, a lasting service life of transmissions and fuel economy. It was developed on the basis of the requirements set by the GM group.

> **Meets:**

ALLISON C4	MAN 339 V1	RENK
CATERPILLAR TO-2	MAN 339 Z1	VOITH H 55.6335.xx (G607)
GM Dexron II D	MB 236.5/236.7	ZF TE-ML 03D/04D/11A/14A/17C

> **Volume;/Art.-Nr.:**

1L	CH8901-1	20L	CH8901-10	208L	CH8901-DR
4L	CH8901-4	60L	CH8901-20	1000L	CH8901-IBC

ATF D-III

8902

Automatic transmission fluid



> **Description:**

A universal all-season synthetic-based transmission fluid (ATF) for automatic gearboxes, hydraulic converters, hydraulic power steering systems, car hydraulic clutches and other hydraulic devices, including the ones operating under heavy-duty conditions in trucks and off-road vehicles. It ensures a flawless operation of an automatic gearbox, guarantees minimal wear, a lasting service life of transmissions and fuel economy. It was developed on the basis of the requirements set by GM and Ford groups.

> **Meets:**

ALLISON C4	FORD ESP-M2C138-CJ	VOITH H 55.6335.xx (G607)
ALLISON TES 389	FORD ESP-M2C166-H	ZF TE-ML 09/11/14
CATERPILLAR TO-2	GM Dexron III H/G/F	
FORD Mercon V	MB 236.1	

> **Volume;/Art.-Nr.:**

1L	CH8902-1	20L	CH8902-20	208L	CH8902-DR
4L	CH8902-4	60L	CH8902-60		



MULTI ATF

8904

Automatic transmission fluid

> **Description:**

A universal all-season high-viscosity synthetic transmission fluid (ATF) for automatic gearboxes. It was specially developed for all modern automatic gearboxes (manual or sequential modes, electronic control, etc.) equipped with and without a hydraulic converter lock-up. It is also compatible with old-generation automatic gearboxes, hydraulic power steering systems, ship reversing gears, hydrostatic transmissions, hydraulic/mechanical systems in which the use of fluids that correspond to Dexron (except Dexron VI) or Mercon standards is prescribed.

> **Meets:**

JASO M315 Type 1A	VW G 052 162-A1	VW G 055 025-A2
AISIN WARNER JWS 3309	VW G 052 990-A1	BMW 7045E (3 Series)
ALLISON C3/C4	VW G 052 990-A2	BMW ETL-8072B (5 Series)
VW G 052 025-A2	VW G 055 025-A1	BMW LA2634 and many others

> **Volume:/Art.-Nr.:**

1L	CH8904-1	20L	CH8904-20	208L	CH8904-DR
4L	CH8904-4	60L	CH8904-60	1000L	CH8904-IBC



ATF CVT

8913

Automatic transmission fluid

> **Description:**

A special synthetic gear oil for CVT (Continuously Variable Transmission) – variable-speed gears. It was specially developed for use in continuously variable transmissions with a rigid articulated chain or a steel pull chain. It ensures a flawless operation of an automatic gearbox, guarantees minimal wear, a lasting service life of a transmission and fuel economy.

> **Meets:**

VW G 052 180	FORD WSS-M2C928-A	GM DEX-CVT
BMW 83 22 0 429 154	FORD WSS-M2C933-A	GM SATURN DEX-CVT
BMW CVT EZL 799A	FORD CVT FLUID 23	HONDA HMMF (08260-99904)
CHRYSLER CVT FLUID NS-2	FORD CVT FLUID 30	HONDA HCF-2
DAIHATSU AMIX CVT FLUID DC	FORD Mercon C	and many others

> **Volume:/Art.-Nr.:**

1L	CH8913-1
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SYNCRO GLX

8806

Fully synthetic gear oil

> **Description:**

All-season last-generation gear oil (contains PAO) specially designed for the lubrication of all types of differentials, including excessive friction differentials where the oil "Limited Slip Oil API GL-5" is required. It was developed for hypoid, bevel and spiral gears.

> **Meets:**

SAE 75W-140	MAN 342
API GL-5 LS (Limited Slip)	SCANIA STO 1:0
MIL L 2105 D	

> **Volume:/Art.-Nr.:**

1L	CH8806-1	60L	CH8806-60	1000L	CH8806-IBC
20L	CH8806-20	208L	CH8806-DR		

BASIC GLC

8805



Fully synthetic gear oil

- > **Description:**
An all-season universal last-generation energy-conserving gear oil (containing PAO) designed specially for the lubrication of manual transmissions with an incorporated differential of front drive vehicles. It is suitable for all types of synchronized and non-synchronized manual transmissions (including heavy-loaded). It was developed on the basis of the requirements set by the VW Group.
- > **Meets:**
SAE 75W-90
API GL-4+
MIL L 2105
VW 501 50
- > **Volume:/Art.-Nr.:**

4L ME	CH8805-4ME	10L	CH8805-10
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SYNCRO GLV

8801



Synthetic gear oil

- > **Description:**
A universal last-generation energy-conserving all-season synthetic gear oil for all types of manual transmissions. It is recommended for use in all types of synchronized manual transmissions (including heavy-duty), in differentials (including LS with excessive friction), steering equipment and other transmission parts where an excessive pressure and impact load is encountered and in which the use of standards GL-4 and/or GL-5 is prescribed.
- > **Meets:**

SAE 75W-90	SCANIA STO 1:0
API GL-4/GL-5 LS (Limited Slip)	MAN 342 M1/M2/M3
MACK GO-J/-J Plus	
- > **Volume:/Art.-Nr.:**

1L	CH8801-1	20L	CH8801-20	208L	CH8801-DR
4L	CH8801-4	60L	CH8801-60	1000L	CH8801-IBC

HYPID GLS

8802



Universal gear oil

- > **Description:**
Universal all-season mineral-based gear oil. It was developed for hypoid gears withstanding extreme loads; in heavy-duty bevel, cylindrical and worm pairs. It is recommended for use in differentials (including excessive friction - LS). It may be used for all types of manual transmissions, including the ones withstanding extremely heavy loads and high temperatures and in other transmission parts where extreme pressure and impact loads are encountered.
- > **Meets:**

SAE 80W-90	MIL L 2105 D
API MT-1	MACK GO-J
API GL-4/GL-5 LS (Limited Slip)	MAN 342
- > **Volume:/Art.-Nr.:**

1L	CH8802-1	20L	CH8802-20	208L	CH8802-DR
4L	CH8802-4	60L	CH8802-60		



MTF-4

8804

Synthetic gear oil

> **Description:**

A latest-generation energy-conserving synthetic gear oil for manual transmissions. It is recommended for use in all types of 5- and 6-speed synchronized manual transmissions, including transmissions with an incorporated differential of front wheel drive vehicles, transfer cases and main gears, in which the application of the standard GL-4 is prescribed. It was developed on the basis of the requirements set by the BMW group.

> **Meets:**

SAE 75W-80	VW G 055 726	MB 235.10
API GL-4	BMW MTF LT-1/ LT-2	MITSUBISHI MZ312644 3005401
VW G 009 317	BMW MTF LT-3/LT-4	NISSAN 999MP-MTF20P KE91699932R
VW G 052 171/178/512	FORD WSS-M2C200-D2	PEUGEOT 9730A2/9730A8
VW G 052 532/527/726/798	PSA B71 2330	TOYOTA JWS 227

> **Volume;/Art.-Nr.:**

1L	CH8804-1	20L	CH8804-20	208L	CH8804-DR
4L	CH8804-4	60L	CH8804-60	1000L	CH8804-IBC



GEAR HGO

8812

Synthetic gear oil

> **Description:**

A universal energy-conserving synthetic gear oil. It may be used in all manual transmission devices, including 5- and 6-speed synchronized manual transmissions, transmissions with an incorporated differential of front wheel drive vehicles, transfer cases and main gears, including hypoid. It was developed specially for ensuring the protection of the technical equipment and receiving the maximum return regardless of its operating conditions.

> **Meets:**

SAE 75W-80	FORD WSD-M2C200-C
API GL-4	MACK GO-J Plus
API GL-5 LS	PSA B71 2330
MIL L 2105 C	

> **Volume;/Art.-Nr.:**

1L	CH8812-1	20L	CH8812-20	1000L	CH8812-IBC
5L	CH8812-5	208L	CH8812-DR		



HYPOLID LSD

8803

Truck gear oil

> **Description:**

A universal all-season high-viscosity mineral-based gear oil for manual transmissions. It was developed for a safe and reliable operation of self-locking differentials (differentials with excessive friction/limited slip – LS), main gears with hypoid pinions and other manual transmission parts with bevel, worm and cylindrical pairs withstanding extreme (including impact) loads and high operating temperatures.

> **Meets:**

SAE 85W-140
API GL-5 LS (Limited Slip)
MIL L 2105 D

> **Volume;/Art.-Nr.:**

20L	CH8803-20	60L	CH8803-60
		208L	CH8803-DR

SAE 90

8810



Universal gear oil

> **Description:**

A mineral simple-composition gear oil for mild operating conditions (low loads and sliding velocities). It may be recommended for the lubrication of accessory equipment to be installed in special vehicles (reducers in autocranes, mechanisms of garbage trucks, side lifting components, etc.) when operating at temperatures no lower than -18 °C.

> **Meets:**

SAE 90
API GL-1

> **Volume;/Art.-Nr.:**

4L	CH8810-4	208L	CH8810-DR
20L	CH8810-20	1000L	CH8810-IBC

SAE 140

8811



Universal gear oil

> **Description:**

A mineral simple-composition gear oil for mild operating conditions (low loads and sliding velocities). It may be recommended for the lubrication of accessory equipment to be installed in special vehicles (reducers in autocranes, mechanisms on garbage trucks, side lifting components, etc.) when operating at temperatures no lower than 0 °C.

> **Meets:**

SAE 140
API GL-1

> **Volume;/Art.-Nr.:**

4L	CH8811-4	208L	CH8811-DR
20L	CH8811-20	1000L	CH8811-IBC



MULTIFARM STOU 10W-30 2501

Agricultural machinery oil

> **Description:**

A genuinely universal engine-transmission all-season semi-synthetic (HC-synthese) engine oil for modern diesel-powered engines of agricultural equipment with and without a turbocharger operating under harsh conditions as well as for manual transmissions, "wet" - type brake systems and even hydraulic systems of tractors.

> **Meets:**

SAE 10W-30	ALLISON C4	FORD WSS-M2C159-C
API CG-4/CF-4/CF/CE/CD/SF	FORD ESN-M2C134-D	FORD NEW HOLLAND 82009201
API GL-4	FORD ESN-M2C86-B	FORD NEW HOLLAND 82009202
ACEA E3	FORD ESN-M2C86-C	FORD NEW HOLLAND 82009203
DIN 51524-3 HVLP	FORD WSS-M2C159-B	JOHN DEERE J27 and many others

> **Volume:/Art.-Nr.:**

20L	CH2501-20	208L	CH2501-DR
		1000L	CH2501-IBC



MULTIFARM STOU 10W-40 2502

Agricultural machinery oil

> **Description:**

A truly universal all-weather semi-synthetic motor-transmission (HC-synthese) engine oil for modern diesel engines of agricultural machinery with and without turbocharger operating in difficult conditions, as well as for mechanical transmissions, wet-type braking systems and even tractor hydraulic systems.

> **Meets:**

SAE 10W-40	MB 227.1/228.1	FORD NEW HOLLAND 82009201
API CG-4/CF-4/CF/CE/CD/SF	JOHN DEERE J27/J20C/J20D	FORD NEW HOLLAND 82009202
API GL-4	CATERPILLAR TO-2	FORD NEW HOLLAND 82009203
ACEA E3	FORD ESN-M2C134-D	CASE IH MS 1204/1206/1207/1209
DIN 51524-3 HVLP	FORD ESN-M2C86-B/-C	CASE NEW HOLLAND MAT 3525/3526
ALLISON C4	FORD WSS-M2C159-B/-C	and many others

> **Volume:/Art.-Nr.:**

20L	CH2502-20	208L	CH2502-DR
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MULTI UTTO WB 101

2701



Agricultural machinery oil

> **Description:**

Universal and multi-functional mineral all-season tractor oil for farm holdings and tractors, agricultural vehicles with very high operating characteristics. Its main purpose: an oil for on-board gearboxes with a standard replacement interval. It complies with VOLVO 97303 requirements. It is also suitable for mechanical gearboxes with and without synchronizers, transmissions, back axles, hydraulic systems (including the ones integrated with a mechanical gearbox) and other equipment that requires Universal Tractor Transmission Oil grade oil. It is particularly suitable for the reduction of vibration in "wet" brake systems and power-take off.

> **Meets:**

API GL-4	CATERPILLAR TO-2	FORD NEW HOLLAND ESN-M2C41-B
ALLISON C4	CASE I H MS 1204/1206	FORD NEW HOLLAND ESN-M2C86-A/-B
DIN 51524-2	CASE I H MS 1207/1209	FORD NEW HOLLAND ESN-M2C134-A/-C/-D
VOLVO WB 101, 97303	JOHN DEERE J20C	and many others

> **Volume;/Art.-Nr.:**

20L	CH2701-20	208L	CH2701-DR
		1000L	CH2701-IBC

KETTENOEL

1101



Chainsaw chain oil

> **Description:**

A highly-purified mineral-based oil for the lubrication of cutting edges of petrol and electric saws with a manual and automatic oil supply. It has an optimal viscosity for effective lubrication, it does not splash during operation. It has high adhesive properties that ensure a good oil adhesion to the chain during operation. Great lubricating and antiwear properties extend the service life of the chain. It ensures reduced oil consumption and heating of the parts. It has excellent antioxidantizing and anticorrosion properties. It can be used throughout the year. It ensures a reliable lubrication at up to -15 °C.

> **Meets:**

ISO Viscosity Grade 100

> **Volume;/Art.-Nr.:**

20L	CH1101-20	208L	CH1101-DR
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M.O. SAE SERIES

Industrial motor oil



> **Description:**

A special highest-quality monograde mineral engine oil for heavy-load diesel-powered engines with and without a turbocharger operating under various conditions at ambient temperatures. It was designed especially for VOLVO and CATERPILLAR equipment that requires the presence of corresponding specifications.

> **Meets:**

SAE 10W/20W/30/40/50	DAVID BROWN DB OM 616
API CH-4	MACK EO-J
MIL L 2104 C	VOLVO B20
CATERPILLAR Series 3	

> **Range:**

CH3101 M.O. SAE 10W	CH3103 M.O. SAE 30	CH3105 M.O. SAE 50
CH3102 M.O. SAE 20W	CH3104 M.O. SAE 40	

> **Volume:/Art.-Nr.:**

208L	CH3101-DR	20L	CH3103-20	20L	CH3104-20	CH3102*
				208L	CH3104-DR	CH3105*

*Contact our sales department for quantity and volume details.

GEAR OIL ISO 220

2801

Industrial gear oil



> **Description:**

An industrial mineral reduction gear oil for use in gear transmissions of modern imported and domestic equipment requiring the use of high-quality oils with enhanced antiwear and anti-scuffing EP (Extreme Pressure) properties.

> **Meets:**

ISO Viscosity Grade 220	ISO 12925-1 Type CKC/CKD
DIN 51517-3	ANSI AGMA 252.04
ISO 6743-6 (CKC)	US STEEL 224

> **Volume:/Art.-Nr.:**

20L	CH2801-20	208L	CH2801-DR
		1000L	CH2801-IBC

TO-4 POWERTRAIN OIL SERIES



Industrial machinery oil

> Description:

A special all-season transmission-hydraulic mineral oil designed for use in hydraulic systems, transmissions and gearboxes (including power ones), on-board gearboxes of other devices of off-road equipment with and without low-load brakes (clutches). It complies with strict Cat TO-4, requirements imposed for TDTO (Transmission/Drive Train Oil) lubricants by the Caterpillar company. The specification TO-4 is the industry standard. The specification determines operating requirements imposed on hydraulic fluids for their use in CAT and analogous equipment.

> Meets:

SAE 10W/30/50
ALLISON C4 (off-road)
CATERPILLAR TO-4
KOMATSU KES 07.868.1

> Range:

CH2601 TO-4 Powertrain oil SAE 10W
CH2602 TO-4 Powertrain oil SAE 30
CH2603 TO-4 Powertrain oil SAE 50

> Volume:/Art.-Nr.:

20L	CH2601-20	20L	CH2602-20	CH2603*
208L	CH2601-DR	208L	CH2602-DR	

*Contact our sales department for quantity and volume details.

HYDRO ISO SERIES



Industrial hydraulic oil

> Description:

All-season mineral hydraulic oil created for hydraulic devices of stationary and mobile equipment operating in standard and high operating temperatures. It was developed taking into account the requirements for industrial hydraulic systems operating in the conditions of high loads, pressures, temperatures and/or velocities.

> Meets:

ISO Viscosity Grade 32/46/68/100/150	CONESTOGA ISO 20763	PARKER DENISON HF-0/-1/-2
DIN 51524-2 (HLP)	EATON I-286-S	PARKER DENISON Filterability TP 02100
ISO 11158 (HM)	US STEEL 126/127	SPERRY VICKERS I-286-S
AFNOR FRANCE NF E 48-603	SPERRY VICKERS I-286-S	MAG CINCINNATI P-68/P-69/P-70

> Volume:/Art.-Nr.:

10L	CH2101-10	10L	CH2102-10	10L	CH2103-10	CH2104*	CH2105*
20L	CH2101-20	20L	CH2102-20	20L	CH2103-20		
60L	CH2101-60	60L	CH2102-60	60L	CH2103-60		
208L	CH2101-DR	208L	CH2102-DR	208L	CH2103-DR		
1000L	CH2101-IBC	1000L	CH2102-IBC	1000L	CH2103-IBC		

*Contact our sales department for quantity and volume details.

HYDRO HV SERIES



Industrial hydraulic oil

> Description:

All-season mineral paraffin hydraulic oils with a high-viscosity index created for the hydraulic equipment of a mobile or stationary equipment operating at high and extra-high operating temperatures. It was developed taking into account the requirements for industrial hydraulic systems operating in the conditions of extra-high loads, pressures, temperatures and/or velocities and especially in the conditions of strongly varying temperatures.

> Meets:

SAE MS 1004	MAG CINCINNATI P-68/-69/-70	ASTM USA D6158
ISO Viscosity Grade 22/32/46/68	PARKER DENISON HF-0/-1/-2	ANSI AGMA 9005-E02-RO
DIN 51524-2 (HM)/-3 (HVLP)	SPERRY VICKERS M-2950-S	AIST 126/127
ISO 11158 (HM, HV, HVLP)	SPERRY VICKERS I-286-S3	and many others

> Volume:/Art.-Nr.:

20L	CH2201-20	20L	CH2202-20	20L	CH2203-20	CH2204*
208L	CH2201-DR	60L	CH2202-60	208L	CH2203-DR	
		208L	CH2202-DR	1000L	CH2203-IBC	
		1000L	CH2202-IBC			

*Contact our sales department for quantity and volume details.



COMPRESSOR OIL SERIES

Compressor oil

> **Description:**

Specials highly-purified paraffin ashless mineral compressor oil with an extended replacement age. It ensures a stable and continuous operation of the equipment throughout the entire operation period.

> **Meets:**

ISO Viscosity Grade 46/100/150/220
BROWN BOVERI HTGD 90117
ISO DP 6521 (L-DAA), 6521 (L-DAB), 6521 (L-DAG), 6521 (L-DAH)
MAG CINCINNATI P-38, P-55, P-54, P-57, P-62
DIN 51506 (VBL), 51506 (VCL), 51506 (VDL),
51515-1 (L-TD), 51515-2 (L-TG), 51517-2 (CL), 51524-1, 51524-2

SIEMENS TLV 9013
VDMA 24568 BSI GB BS 489
CEGB 207001
GE GEK 32568 A, GEK 32568 C
AFNOR FRANCE NF E 48-603
and many others

> **Range:**

CH2901 Compressor oil ISO 46 **CH2903** Compressor oil ISO 150
CH2902 Compressor oil ISO 100 **CH2904** Compressor oil ISO 220

> **Volume:/Art.-Nr.:**

20L	CH2901-20	20L	CH2902-20	CH2903*	
208L	CH2901-DR	208L	CH2902-DR		208L CH2904-DR

*Contact our sales department for quantity and volume details.



TURBINE SERIES

Turbine oil

> **Description:**

High-quality turbine (circulating) oil with an increased replacement age designed for the lubrication and cooling of bearings in stationary steam and water turbines at normal and elevated temperatures and manufactured on a highly-purified base.

> **Meets:**

ISO Viscosity Grade 32/46/68
DIN 51524-1/-2/-3
DIN 51517-2
DIN 51506 (VBL, VCL, VDL)
DIN 51515-1 (L-TD)/DIN 51515-2 (TG)
ISO DP 6521 (DAA, DAB, DAH, DAG)

VDMA 24568
BROWN BOVERI HTGD 90117
GE GEK 32568 A/GEK 32568 C
MAG CINCINNATI P-38/P-55/P-54/P-57/P-62
MITSUBISHI E00-87182
and many others

> **Range:**

CH2301 Turbine ISO 32 **CH2302** Turbine ISO 46 **CH2303** Turbine ISO 68

> **Volume:/Art.-Nr.:**

CH2301*	CH2302*	CH2303*
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*Contact our sales department for quantity and volume details.



EMULSION

1103

Mineral oil

> **Description:**

Water-miscible greasing and cooling fluid (GCF) with a high content of mineral oil and a highly effective additive package, providing multi functionality and stability of the emulsion for machining ferrous and non-ferrous metals.

> **Meets:**

TYPE Water-miscible Emulsion
ISO 32

> **Volume:/Art.-Nr.:**

20L	CH1103-20
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MARINE 09 SERIES

Marine oil



> **Description:**

High performance diesel engine oils developed for use on low sulphur distillate fuels in marine and industrial applications. They are formulated to have excellent resistance to oxidation and viscosity increase over a long period of service. They have superior water separating properties and provide excellent corrosion protection. Formulated with base oils having proven successful performance in diesel engines. The additive system is balanced to provide excellent resistance to thermal degradation under moderately severe operating conditions. They also provide good engine cleanliness and superior wear protection.

> **Meets:**

SAE 30/40/50
API CF-4
TBN 9

> **Range:**

CH2401 Marine SAE 30
CH2402 Marine SAE 40
CH2403 Marine SAE 50

> **Volume:/Art.-Nr.:**

CH2401* CH2402* CH2403*

*Contact our sales department for quantity and volume details.

MARINE 12 SERIES

Marine oil



> **Description:**

Highly effective mid-alkaline mineral motor oil for marine throttle and crosshead, main and auxiliary diesel engines operating on distillate fuel with a sulfur content of less than 1.5 %.

> **Meets:**

SAE 30/40
API CF
TBN 12

> **Range:**

CH2404 Marine SAE 30
CH2405 Marine SAE 40

> **Volume:/Art.-Nr.:**

CH2404* CH2405*

*Contact our sales department for quantity and volume details.



MARINE 3040

2406

Marine oil

> **Description:**

High-alkaline mineral motor oil for medium-speed heavy marine diesel engines operating on fuel oil with a sulfur content of up to 4.0 %. It has excellent anti-friction, anti-wear and extreme pressure properties, which significantly extends the life of the equipment in all, even the most extreme, operating modes and provides significant fuel economy. Excellent protection against wear on the camshaft and bearings. A special additive package in combination with natural antioxidants gives increased thermal oxidative stability, which, combined with excellent detergent-dispersant properties (TBN>30), effectively reduces carbon and varnish formation, prevents the formation of deposits of all kinds and keeps engine parts extremely clean throughout interval between replacements. It retains its antioxidant properties for a long period of time.

> **Meets:**

SAE 40
API CF-4
TBN 30

> **Volume:/Art.-Nr.:**

CH2406*

*Contact our sales department for quantity and volume details.



MARINE X70

2407

Marine oil

> **Description:**

Superior quality, extra high performance, marine diesel engine cylinder oil. This bold new approach in cylinder lubricant technology provides maximum protection from adhesive and corrosive wear at the higher operating temperatures and pressures of today's modern crosshead engines. It employs additives with substantially greater thermal stability and superior acid-corrosion protection. Through the use of unique formulation technology, this higher viscosity is attained with little or no use of thermally less stable, deposit-producing bright stock.

> **Meets:**

SAE 50
API CF
TBN 70

> **Volume:/Art.-Nr.:**

CH2407*

*Contact our sales department for quantity and volume details.



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