



ATF DX III

Product Description:

ATF DX III is a high quality universal fluid to be used in automatic transmission, torque converters and power steering of passenger car, light vans and commercial vehicles.

ATF DX III is formulated on high refined solvent mineral and synthetic base stock in combination with an unique additive package to reach the following properties.

- Excellent thermal- and oxidation stability.
- Special friction modifiers.
- Very high viscosity Index.
- Low pourpoint.
- Excellent shifting at very low and high temperatures.
- Excellent protection against the forming corrosion, foam and wear.

ATF DX III meets the following performance criteria:

DEXRON III H	Allison C4	MAN 339 V1/Z1	MB 236.9
Voith H55.6335.xx	ZF TE-ML 03D	ZF TE-ML 14A	VOLVO 97341
FORD M	GM D-IID	GM D-IIIG/H	VOLVO 97340



Property	Unit	Test Method	Typical Value
Color		Visual	Red
Density @15°C	kg/m ³	ASTM D4052	850
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	36.8
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	7.6
Viscosity Index		ASTM D2270	180
Viscosity Brookfield @-40°, max.	cP	ASTM D2983	< 20000
Flash Point COC	°C	ASTM D92	201

Product Nr: 43220
Date Superseded: 21-02-2018

Date Issued: 16-12-2019
Revision nr: 05



ATF

MV

Product Description:

ATF MV is a high quality synthetic fluid specially designed with advanced multi-vehicle additive technology to serve a broad range of. ATF MV exceeds the complex requirements of Automatic Transmission/ Vehicle Manufacturers of Europe, North America and Asia including the JASO 1-A performance standard created by Japanese Automobile Manufacturers Association.

Remark: Not suitable for use in Continuously Variable Transmissions (CVT), Dual Clutch Transmission (DCT), Daimler MB 7 speed (NAG 2), ZF 6 Speed.

ATF MV is based on fully synthetic base in combination with an unique additive package to ensure the following properties:

- Excellent thermo- and oxidation stability.
- Excellent lubrication, even under extreme conditions.
- Very high protection against wear, corrosion and foam.
- High “shear stable”.
- Very low Pour point, can be used by very cold temperatures.
- High Viscosity Index.

ATF MV exceeds the following performance criteria:

Allison C4, TES 295	LT 71141, LA 2634	ETL -7045E, 8072B	Chrysler AS68RC
ATF Chrysler +3, +4	Ford Mercon	Ford Mercon V	Dexron IID, IIIG/H
Honda Z1	Mitsubishi SP-II / III	Hyundai/ KIA SPII /III	Idemitsu K17 / ATF HP
JWS 3309/3314/3317	JASO M315-2004	Texaco N402	MAN 339 V1/Z1/Z2
Mazda ATF M-III, M5	MB 236.3, 5, 6, 7, 8	MB 236.9, 10, 11, 91	Nissan Matic D,J,K,W
Subaru ATF, HP	Toyota T-III, T-IV	Voith H55.6335.xx	Volvo Std 1273.4
VW G 052 025	VW G 055 025	VW G 052 162	VW G 052 990
Volvo P/N 1161521	Volvo 1161540	Volvo 1161640	Volvo CE 1273,41
PSA P/N Z 000169756	Ssang Yong DSIH 5M-66	ZF TE ML 03D, 04D, 11A/B, 14A/B, 16L/R, 17C, 20B, 25B	



Property	Unit	Test Method	Typical Value
Color		Visual	Colorless to light Yellow
Density @15°C	kg/m ³	ASTM D4052	846.7
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	35.5
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	7.6
Viscosity Index		ASTM D2270	188
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-51

Product Nr: 43230

Date Superseded: 13-12-2019

Date Issued: 30-12-2024

Revision nr: 06



AUTOGEAR OIL MP

75W-90

Product Description:

AUTOGEAR OIL MP 75W-90 is a universal high performance multi-purpose gear oil for use in differentials, axles and some transmissions of passenger cars, vans, light- and heavy commercial vehicles, off-highway equipment, mining and agriculture where a SAE 75W-90 GL-5 is been required.

AUTOGEAR OIL MP 75W-90 is based on a high quality synthetic base oil in combination with a special additive package to ensure the following properties:

- Good extreme pressure and anti-wear properties.
- High thermal- and oxidation stability.
- Effective rust, wear and corrosion protection.
- Better low temperature provides easy start-up at low ambient temperatures.
- Good anti-foam properties ensure film strength for effective lubrication.
- Excellent seal compatibility.

AUTOGEAR OIL MP 75W-90 meets the following performance criteria:

API GL-5
Volvo 97310

MIL-L-2105D
ZF TE-ML 7A, 16B, 17B, 21A

MAN 342 M1

MB 235.0



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J306	75W-90
Density@15°C	kg/m ³	ASTM D4052	863
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	88
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	14.4
Viscosity Index		ASTM D2270	170
Flash Point	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-42

Product Nr: 43055
Date Superseded: -

Date Issued: 19-10-2022
Revision nr: -



AUTOGEAR OIL MP 80W-90

Product Description:

AUTOGEAR OIL MP 80W-90 is an universal high performance mineral multi purpose gear oil for use in different applications, such as; manual transmission and transaxles of passenger cars, vans, light- and heavy commercial vehicles, off-highway equipment, mining and agriculture, where a SAE 80W-90 GL-5 oil is been required.

AUTOGEAR OIL MP 80W-90 is formulated with high refined mineral base stocks in combination with a special additive technology to achieve the following performance:

- Very good protection against wear.
- Very good performance against the forming of foam and corrosion.
- Good Oxidation- and thermal stability.

AUTOGEAR OIL MP 80W-90 meets the following performance criteria:

API GL-5 **MIL-L-2105D** **MAN 342 M1** **MAN 342 M2**
MB 235.0 **Volvo 1273.10** **ZF TE-ML 05A, 7A, 16B, 16C, 16D, 17B, 19B, 21A**



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J306	80W-90
Density@15°C	kg/m ³	ASTM D4052	895
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	138
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	14.4
Low-Temperature Brookfield Viscosity @ -26°	cP	ASTM D2983	< 150000
Viscosity Index		ASTM D2270	103
Flash Point	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-30

Product Nr: 43060

Date Superseded: 08-11-2018

Date Issued: 13-12-2019

Revision nr: 04



AUTOGEAR OIL MP

85W-90

Product Description:

AUTOGEAR OIL MP 85W-90 is an universal high performance mineral multi-purpose gear oil for use in manual transmission en transaxles of passenger cars, vans, light- and heavy commercial vehicles, off-highway equipment, mining and agriculture where a SAE 85W-90 GL-5 is been required.

AUTOGEAR OIL MP 85W-90 is based on high quality mineral base oil in combination with a special additive package to ensure the following properties:

- Good thermo-oxidative stability.
- Good load bearing characteristics.
- Effective rust and corrosion protection.
- High low temperature fluidity provides smoother shifting at low ambient temperatures.
- Exceptional shear stable.

AUTOGEAR OIL MP 85W-90 meets the following performance criteria:

API GL-4/5	MB 235.6	MAN 342-M1-M2	MIL-PRF-2105D
Volvo 97310	Volvo 97316	Volvo STD 1273.21	SAE J2360
SCANIA STO 1.0	ZF TE-ML 05A/07A/08/12E/16B/16C/17B/19B/21A		



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J306	85W-90
Density@15°C	kg/m ³	ASTM D4052	888.3
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	154.8
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	15.9
Low-Temperature Brookfield Viscosity @ -12°	cP	ASTM D2983	13000
Viscosity Index		ASTM D2270	105
Flash Point	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-27

Product Nr: 43070
Date Superseded: 22-01-2021

Date Issued: 20-12-2024
Revision nr: 05



AUTOGEAR OIL SYN LS 75W-140

Product Description:

AUTOGEAR OIL SYN LS 75W-140 is a synthetic extra high performance multi-functional gear lubricant designed to provide effective lubrication in modern high performance passenger cars, sports utility vehicles, vans and light duty trucks and “off highway” equipment equipped with both conventional and limited slip differentials. The special friction modifier used in this oil helps in reducing chatter and improving traction besides retaining the frictional properties for longer service life.

AUTOGEAR OIL SYN LS 75W-140 is formulated with high quality synthetic base oils in combination with a special additive package to reach the following properties:

- Unique additive technology allows the use of a single lubricant in rear axles, synchronised and non-synchronised manual transmissions and therefore helps in rationalisation of products.
- Exceptional thermo-oxidative stability and load bearing characteristics help in extending the life of the driveline components and the oil.
- Effective rust and corrosion protection, especially to copper and its alloys reduces wear, extends synchroniser life and improves shifting performance.
- Outstanding low temperature fluidity reduces wear at start up and provides smoother shifting at low ambient temperatures.
- Exceptional shear stability helps in retaining viscosity and film strength to protect against wear even under severe operating conditions.
- Superior frictional properties provide improved fuel economy and smoother shift ability.
- Excellent limited slip performance reduces chatter and improves traction.

AUTOGEAR OIL SYN LS 75W-140 meets the following performance criteria:

API GL-5 (LS), MT-1 MIL-PRF-2105E MIL-L-2105D SAE J2360 MACK GO-J
Scania STO 1:0 (Axle) ZF TE-ML-05D ZF TE-ML-21D Ford M2C192-A



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J306	75W-140
Density@15°C	kg/m ³	ASTM D4052	874
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	168
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	25.9
Viscosity Index		ASTM D2270	190
Low-Temperature Brookfield viscosity@-40°C	cP	ASTM D2983	150000
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-45

Product Nr: 43370

Date Superseded: 21-02-2018

Date Issued: 13-12-2019

Revision nr: 02



BRAKE FLUID DOT 4

Product Description:

BRAKE FLUID DOT 4 is a very high performance brake fluid especially designed for use in disc, drum and Anti Brake Systems (ABS) of all commercial vehicles, passenger cars and motor cycles operating under moderate to severe conditions, where a DOT 4 fluid is prescribed.

BRAKE FLUID DOT 4 should never be used in place of or mixed with silicone based brake fluids (DOT 4)

BRAKE FLUID DOT 4 is based on a Glycol-type Base fluid combination with an unique additive package to ensure the following properties:

- Superior oxidative stability resists oxidation at high temperatures encountered in disk braking systems.
- Superior high temperature stability and low temperature fluidity ensure trouble free operation.
- Effective corrosion inhibitors provide long term corrosion protection to the metallic components of the brake systems.
- Provides lubricity and system protection.
- Compatible with all seals and metals used in conventional braking systems requiring glycol-type brake fluids.

BRAKE FLUID DOT 4.0 exceeds the following performance criteria:

FMVSS-116 DOT 4.0

SAE J1704

ISO 4925

Property	Unit	Test Method	Typical Value
Density@15°C	kg/m ³	ASTM D4052	1,07
Kin. Viscosity @-40°C	mm ² /s	FMVSS 116	<900
Kin. Viscosity @100°C	mm ² /s	FMVSS 116	>1,5
Equilibrium Reflex Boiling Point (ERBP)	°C	FMVSS 116	>260
Wet Equilibrium Reflex Boiling Point (WBP)	°C	FMVSS 116	>175
pH Value			7,0 – 11,5
Flash Point COC	°C	DIN 51354-2	

Product Nr: 43920

Date Superseded: 04-03-2016

Date Issued: 20-12-2019

Revision nr: 01



SAFETY DATA SHEET

CALDİNİ RUBBER GREASE

Dated 13 December 2014, numbered 29204, "T.C. It has been prepared in accordance with the provisions of the "Regulation on Safety Data Sheets Regarding Harmful Substances and Mixtures of the Ministry of Environment and Urbanization".

SECTION 1: Identity of the substance/mixture and company/distributor

1.1. Substance/Mixture ID

Name of the product CALDİNİ RUBBER GREASE

1.2. Relevant identified uses of the substance or mixture and uses advised against

Belirlenmiş kullanımlar CALDİNİ RUBBER GREASE

1.3. Information of the supplier of the safety data sheet

Supplier CALPET MADENİ YAĞLAR SAN.VE TİC.A.Ş
İSTANBUL TUZLA KİMYA SANAYİCİLERİ O.S.B. MELEK ARAS BUL.
NO: 27 TEPEÖREN TUZLA 34956, İSTANBUL
TÜRKİYE
TEL: +90 216 593 33 65

1.4. Emergency phone number

Emergency phone number (National Poison Information Center):114
Emergency Health Services:112

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification T.C. 28848

Physical harm It is not classified as harmful.

Health hazards It is not classified as harmful.

Environmental hazards It is not classified as harmful.

Environmental The product is not expected to be hazardous to the environment.

Physico-chemical The product is not in the class of flammable substances, but may ignite when exposed to sources of flame at a temperature above its flash point.

2.2. Label elements

Hazard Statements NC Not classified as harmful.

2.3. Other Harmfulness

With normal precautions (item 7) and personal protective equipment (item 8) used, mineral oils and chemicals do not pose a significant risk

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Mixtures

Mixture

Highly refined mineral oil (IP 346 DMSO extract<3%) Special performance additives

Product name	EC No	CAS No	Amount (%)	Classification 67/548/EC or- 1999/45/EC	Classification 1272/2008 [CLP]
Lubricating oils (petroleum), Base oils; unspecified)	278-012-2	74869-22-0	75 - 90	-	-

The full text for all (R) clauses is given in section 16.

The full text for all (H) and (EUH) clauses is given in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Change clothes and shoes that have contaminated or spilled product.
Never put rags contaminated by the product in clothing pockets.

Eye Contact

In case of eye contact, rinse eyes with copious amounts of water. If persistent irritation occurs, seek medical attention.

Skin Contact

Remove contaminated clothing. Wash the exposed area immediately with plenty of running water and soap. If persistent irritation occurs, seek medical attention.

Breathing

It does not require treatment under normal use conditions. If symptoms such as dizziness and nausea occur, seek fresh air, if symptoms persist, seek medical attention.

Swallowing

In case of discomfort or excessive swallowing, seek medical attention immediately, the swallower should not induce vomiting.

Notes for the Doctor

Treatment should be applied according to the symptoms.

4.2. Most important symptoms and effects, both acute and delaye

Breathing

There are no known specific symptoms.

Swallowing

There are no known specific symptoms.

Skin contact

There are no known specific symptoms.

Eye contact

There are no known specific symptoms.

4.3. Indication of need for medical attention and special treatment

Information to be given to the doctor

Treat the symptoms.

Special treatments

Special treatments

SECTION 5: Fire fighting measure

Evacuate everyone, except emergency personnel, from the fire area.

5.1 Appropriate Fire Extinguishers and Fighting Method

Foam water spray, water droplets, dry chemical powder fire extinguishers can be used. Carbon dioxide extinguishers, sand and earth are suitable for small fires.

SAFETY DATA SHEET

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5.2 Unsuitable Fire Extinguishers and Fighting method

Do not use sprinkler water extinguishing method.

5.3 Special Cases

Hazardous combustion products: a complex mixture of gas with solid and liquid particles in the air. Carbon monoxide and some metal oxides. May contain unspecified organic and inorganic compounds.

5.4 Special Protective Equipment Required in Case of Fire Standard protective equipment is used. Self-contained breathing apparatus (SCBA) is used in closed areas.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Risk of slipping, especially where product leaks / spills.

6.2. Environmental precautions

Environmental precautions

Do not allow to mix with drainage system, surface and ground water. Prevent spillage into the environment (for example: by tying or by oil kit). Do not allow it to enter the ground / ground.

6.3. Methods and materials for containment and cleaning up

Spill clean-up methods

Clean with absorbent material (sand, diatomite, acid binder, universal binder, sawdust).
Dispose of collected material in accordance with regulations.

6.4. References to other sections

References to other sections

See Chapter 7 for safe use information. See section 8 for personal protection. See Chapter 13 for waste disposal.

SECTION 7: Handling and storage

7.1 Handling

Avoid prolonged or repeated contact with skin. Wash your hands thoroughly after use. Avoid breathing vapor and/or mist. Protective shoes should be worn when transporting with products and appropriate means of transport should be used.

7.2 Storage

Store in tightly closed container. Store the packaged product in a cool, well-ventilated area.

7.3 Special Uses

There is no specifically specified information.

SAFETY DATA SHEET

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SECTION 8: Exposure Controls/personal protection

Control Parameters

DNEL

There is no information available.

PN

There is no information available.

Exposure controls

Engineering Controls

Effective ventilation of the working environment should be ensured against the risk of inhaling oil vapors or fumes. An air evacuation system should be available and other technical measures should be taken. All chemicals should be evaluated for their risk to health and appropriate control measures should be taken to prevent or adequately control exposure to them.

Protective equipment



Appropriate engineering controls Normal precautions should be followed when handling chemicals and mineral oil products.

Keep away from food, drink and animal feeding stuffs.

Personal protection
Göz/Yüz korunması

In case of splashes or spills, wear oil- or chemical-resistant clothing for protection.
Sıçrama tehlikesi yoksa, kenarlıklı kimyasal korunma gözlüğü takın.

Hand protection

Protective gloves and protective skin cream. The selection of suitable gloves depends not only on the material, but also on the brand and quality, which varies from manufacturer to manufacturer. As the product is made of several materials, the durability of the glove cannot be calculated in advance and therefore must be checked before use.

Other skin and body protection For preventive skin protection, use skin protection cream.

Health measures

The product does not contain any amount of substances with critical values that require control in the workplace.

Respiratory protection

In case of insufficient ventilation, suitable respiratory protection should be used

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

9.1 General information

Legislation used in the preparation of the form: Regulation on the Preparation and Distribution of Safety Data Sheets for Dangerous Substances and Preparations (26.12.2008 – 27092)

SAFETY DATA SHEET

CALDINI RUBBER GREASE

Dated 13 December 2014, numbered 29204, "T.C. It has been prepared in accordance with the provisions of the "Regulation on Safety Data Sheets Regarding Harmful Substances and Mixtures of the Ministry of Environment and Urbanization".

Information on basic physical and chemical properties

Physical Condition	Semi-solid
Appearance	Smooth
Colour	Green
Smell	Characteristic mineral oil
pH	not applicable
Soap Type	Calcium
Auto Ignition temperature	the product is not self-igniting.
Resolution	insoluble in water
NLGI Sınıfı	3
Dropping Point	Min. 100

Other informations

There is no information available.

SECTION 10: Stability and reactivity

Reactivity

There are no reactive hazards associated with this product.

Chemical stability

Stable under normal storage and use conditions.

Possibility of dangerous reaction

Hazardous reactions do not occur.

Conditions to avoid

It should not be exposed to high temperatures or direct sunlight.

Materials to avoid

Igniting agents, strong oxidizers.

Dangerous separation products

The formation of harmful decomposition products is not expected during normal storage. Carbon oxides. Some metal oxides.

SECTION 11: Toxicological information

11.1. Information on toxic effects

Toxic effects No available information.

Skin corrosion/irritation

Animal data There may be slight irritation..

SAFETY DATA SHEET

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Serious eye damage/irritation

Serious eye damage/irritation May Be Slightly Irritated..

Respiratory sensitization

Respiratory sensitization There is no specific test data available.

Skin sensitization

Skin sensitization There is no specific test data available.

Germ cell mutagenicity

Genotoksisite - in vitro There is no specific test data available.

Carcinogenicity

Carcinogenicity There is no specific test data available.

Reproductive toxicity

There is not enough information for classification.

SECTION 12: Ecological information

Toxicity

Environmental hazards

The product is not expected to be hazardous to the environment.

Persistence and degradability

It is not permanent, it is expected to disintegrate on its own.

Bioaccumulation potential

It is not expected to bioaccumulate in the environment via the food chain.

Mobility in the soil

It is liquid under most ambient conditions. It floats on water. It is unlikely to mix with soil.

Mobility

It is insoluble in water.

Results of PBT and vPvB assessment

It does not contain any compounds evaluated as PBT and vPvB.

Other adverse effects

Spilled product pollutes groundwater.

SECTION 13: Disposal information

SAFETY DATA SHEET

CALDINI RUBBER GREASE

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Waste treatment methods

Do not discharge into the environment, sewers or streams. Used product and product containers should be disposed of by licensed units in accordance with current legislation. Do not allow spilled products to enter drains and sewers.

SECTION 14: Transport information

The product is not covered by international regulations on the transport of dangerous goods. (IMDG, IATA, ADR/RID).

UN number

Not edited.

UN proper shipping name

Not edited.

Transport hazard class(es)

Not edited.

Packing group

Not edited.

Environmental hazards

Marine pollutant

Special precautions for the user

No information available. Transport in bulk according to Annex II of MARPOL 73/78 and IBC code

No information available.

SECTION 15: Regulatory information

15.1. Safety, health and environmental legislation specific for the substance or mixture

National regulations When using chemical or mineral oil products, normal safety regulations must be observed.

Until 2004/73/EC (31st ATP) and the Hazardous Materials Act, the product is not subject to identification rules under the EC Directives. Possibly dangerous as clearly stated in point 3 compounds concentrations are below the classification value. Local regulations must be observed.

EU legislation Regulation on the classification, labeling and packaging of substances and mixtures From the Ministry of Environment and Urbanization 11 December 2013 Official Gazette Number 28848 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), of the European Parliament and of the Council (EC) of 18 December 2006, 1907/2006 Regulation No. (as amended).

SECTION 16: Other informations

General Information All ingredients are listed in the European Inventories. These data are based on our current knowledge. However, they are not a guarantee for specific product features and will not constitute legal validity in contractual relations. This safety data sheet is the safety data sheet according to 91/155/EU. For products that are not subject to classification according to EU lists, this table is optional.

Legislation used in the preparation of the form: Regulation on the Preparation and Distribution of Safety Data Sheets for Dangerous Substances and Preparations (26.12.2008 – 27092)

SAFETY DATA SHEET

CALDINI RUBBER GREASE

Dated 13 December 2014, numbered 29204, "T.C. It has been prepared in accordance with the provisions of the "Regulation on Safety Data Sheets Regarding Harmful Substances and Mixtures of the Ministry of Environment and Urbanization".

Main literature references and "Regulation on Safety Data Sheets of Harmful Substances and Mixtures of the Ministry of Environment and Urbanization", dated 13 December 2014 and numbered 29204 sources of information

All risk statements No

All hazard statements No

Жидкость стеклоомывающая зимняя -20°C STOP GER

характеристики

- **Торговая марка:** Stop Ger
- **Поверхность:** Стекло
- **Применение:** для наружных работ, для внутренних работ
- **Основа материала:** на водной основе

СВОЙСТВА

- Благодаря особой формуле, специальным добавкам и уменьшенной концентрации обеспечивает более низкое количество паров спирта в салоне автомобиля, обладает наименее выраженным запахом по сравнению с другими жидкостями.
- Даже при низких температурах не замерзает полностью, а переходит в форму геля, благодаря чему исключается возможность повреждения контура стеклоомывающей системы, а также обеспечивается быстрое возвращение в жидкую форму после повышения температуры.
- Экономичная. Позволяет отказаться от использования более высококонцентрированных и дорогих стеклоомывающих жидкостей, концентрация которых является излишней большую часть зимнего периода в климатических условиях Республики Молдова

ОБЛАСТЬ ПРИМЕНЕНИЯ

Предназначена для использования в системе омывания стекол в зимнее время. Защищает стекло и его контур от замерзания. Способен обеспечить защиту при непродолжительном воздействии температур до -20°C. Уникальная химическая формула позволяет эффективно удалять грязь, соль и нефтяную пленку, не оставляя разводов. Жидкость безвредна для лакокрасочных покрытий и резинок стекол. Не оставляет биологических загрязнений, бликов, масляных пятен и разводов на стекле, повышая уровень безопасности управления автомобилем.

ПОДГОТОВКА ОСНОВАНИЯ

Поверхность перед нанесением должна быть сухой, очищена от пыли, грязи, жира, остатков краски и лака.

ВЫПОЛНЕНИЕ РАБОТ

Для чистки лобового стекла автомобиля заполнить бачок стеклоомывателя, для чистки боковых и задних стекол автомобиля вручную нанести омыватель на очищаемую поверхность и, не давая высохнуть, протереть до блеска. В зимнее время, при нахождении машины на открытой автостоянке, не рекомендуется разбавлять жидкость водой. В зависимости от температуры воздуха возможно разведение жидкости водой согласно установленным пропорциям. Цвет: голубой, зеленый. Аромат: зимняя свежесть, лайм.

ХРАНЕНИЕ

Хранить в течение 24 месяцев в закрытой упаковке, в недоступном для детей месте.

R-11 – легковоспламеняющийся. R39/23/24/25 – токсичен при вдыхании, при контакте с кожей и заглатывании. Опасность серьезных, необратимых последствий для здоровья. S/2 – хранить в недоступном для детей месте. S7 – хранить в закрытой упаковке. S36/37 – во время работы использовать защитные перчатки. S45 – В случае отравления срочно проконсультируйтесь у врача, показывая упаковку или этикетку.

УПАКОВКА

5,0 л

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

СОСТАВ: Изопропиловый спирт / гидроокись метила, очищенная вода, поверхностно-активные вещества, функциональные добавки, ароматизаторы, красители



COMPRESSOR OIL

VDL 32

Product Description:

COMPRESSOR OIL VDL 32 is a high performance ash less air compressor oil specially designed to meet the stringent requirements of major compressor manufacturers.

COMPRESSOR OIL VDL 32 is suited for reciprocating air-, rotary screw and vane compressors. Also used in circulating oil systems, plain and rolling element bearings, lightly loaded Gear sets, etc.

COMPRESSOR OIL VDL 32 is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent thermo- and oxidation stability.
- Improved equipment reliability, availability and efficiency.
- Low ash and carbon forming tendency ensures improved valve performance.
- Reduced potential for fires and explosions in the discharge systems.
- Exceptional wear and rust protection.
- Superior demulsibility reduces oil carryover and corrosion, maintains lubrication efficiency.
- Reduces sludge formation and improves life of coalesces.

COMPRESSOR OIL VDL 32 exceeds the following performance criteria:

DIN 51506 VBL/VCL/VDL
ISO 6743 DAA/DAB/DAG/DAH
DIN 51503-1 KAA/KE



Property	Unit	Test Method	Typical Value
ISO VG Class			32
Density @15°C	kg/m ³	ASTM D4052	850.6
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	32.0
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	5.7
Viscosity Index		ASTM D2270	119
Flash Point COC	°C	ASTM D92	>190
Pour Point	°C	ASTM D7346	-33
FZG A/8, 3/90°C		DIN 51354-2	12
Demulsibility @54°C, max	min	DIN 51999	30

Product Nr: 43790
Date Superseded: 30-9-2021

Date Issued: 8-1-2025
Revision nr: 05



COOLANT RTU 40

Product Description:

COOLANT RTU 40 is a silicate, amine-, nitrites- and phosphates free ready to use coolant (50% diluted) providing frost and corrosion protection. For the perfect operation of water-cooled internal combustion engines.

COOLANT RTU 40 is based mono ethylene glycol in combination with a powerful additive technology to obtain the following benefits:

- Corrosion protection, also for non-ferro metals.
- Frost protection.
- Boiling protection.
- Seal compatibility.

COOLANT RTU 40 meets the following performance criteria:

British Standard (BS) 6580
CUNA NC 956-16



Property	Unit	Test Method	Typical Value
Color			Blue
Density @15°C	kg/l	ASTM D5931	1.060
Equilibrium Boiling Point	°C	ASTM D1120	>125
Reserve Alkalinity (pH 5.5)		ASTM D1121	3.0
Refractive Index, 20°C		ASTM D1218	1.435
Freezing Protection	°C	ASTM D1177	-26

Product Nr: 43960
Date Superseded: 29-05-2018

Date Issued: 08-11-2011
Revision nr: 02



COOLANT

RTU G12 PLUS

Product Description:

COOLANT RTU G 12 PLUS is a Ready-To-Use long life silicate-, amine-, nitrite-, borate- and phosphates free coolant to be used as a cooling and heat transferring fluid in combustion engines.

COOLANT RTU G 12 PLUS should be used undiluted, only then the coolant gives a protection to -40°C.

COOLANT RTU G 12 PLUS is based on ethylene glycol and in combination of a patent silicate free aliphatic additive technology to obtain the following properties:

- Extended life.
- Environmentally friendly.
- Reliability.
- Excellent corrosion protection for aluminium heat transfer surfaces.
- Excellent cavitation protection.
- Improved heat transfer.
- Improved hard water stability; absence of silicates and phosphates.
- Suitable for mixed fleets; 1 coolant for automotive and heavy duty applications.

COOLANT RTU G 12 PLUS offers strong protection: up to 650.000 km for buses and trucks, 250.000 km for passenger vehicles and up to 16.000 hours for steady-state engines. It is recommended to change the coolant every five years or at above mileages or operating times, whichever comes first. Perfectly mixable with other cooling fluids based on Ethylene Glycol.

COOLANT RTU G 12 PLUS exceeds the following performance criteria:

ASTM D3306
VW TL-774 F (G12+)
Cummins CES 14603
DDC DFS93K217
Foton Q-FPT 2313005-2013
JIS K2234
Komatsu 07.892 (2009)
Mack 014 GS 17009
Mazda MEZ MN 121D
MWM 0199-99-2091/12

ASTM D6210
BS 6580
Cummins CES 14439
Deutz DQC CB-14
STJLR 651.5003
Jenbacher TA 1000-0201
KSM 2142
MAN 324 Typ SNF
MB 326.3
Opel/GM GMW 3420

VW TL-774 D (G12)
MAT 3624
DAF 74002
Ford WSS-M97N44-D
Jaguar CMR 8229
JDM H5
Liebherr MD1-36-130
Renault Type D
MTU 5048
Volvo VCS



Property	Unit	Test Method	Typical Value
Color			Orange/red
Density @20°C	kg/m ³	ASTM D1298	1.068
Freezing Point	°C	ASTM D1177	-40
pH (50% in water)		ASTM D1287	8.6

Product Nr: 43970

Date Issued: 20-07-2020

Date Superseded: 14-05-2012

Revision nr: 03



Product Data Sheet
COOLANT
XL

Product Description:

COOLANT XL is a long life silicate-containing nitrites, amines and phosphate free ready to use coolant in ethylene glycol, to be used as a cooling and heat transferring fluid in combustion engines.

COOLANT XL is based on ethylene glycol in combination with a powerful additive technology to obtain the following properties:

- Efficient and long lasting corrosion protection.
- Maintenance-free operation against freezing and boiling.
- Extended coolant life.
- Excellent seal compatibility



COOLANT XL meets the following performance criteria:

VW TL 774C (G11)	MB 326.0	FIAT 9.55523	IVECO 18-1830
Ford ESD M97B49-A	GM GME L1301	Cummins 85T8-2	MAN 324 NF
MTU MTL 5048	Volvo CE	BS 6580	JASO M325
Deutz DQC CA-14	ASTM D3306	BMW GS 94000	Chrysler MS-7170
NFR 15-601	Case JIC-501	KSM 2142	

Property	Unit	Test Method	Typical Value
Color			Light Green
Density @15°C	kg/m ³	ASTM D5931	1.070
Equilibrium Boiling Point	°C	ASTM D1120	>125
Reserve Alkalinity (pH 5.5)		ASTM D1121	8
Refractive Index, 20°C		ASTM D1218	1.43
Freezing Protection	°C		-37

Product Nr: 45170
Date Superseded: 02-03-2018

Date Issued: 09-03-2021
Revision nr: 02



ENGINE OIL HDX

10W-40

Product Description:

Engine Oil HDX 10W-40 is a extra high performance universal semi synthetic engine oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-3, Euro-4 and Euro-5 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with DPF filters.

Engine Oil HDX 10W-40 is formulated with high refined solvent mineral and synthetic base stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Extended drain intervals.

ENGINE OIL HDX 10W-40 meets the following performance criteria:

Approved	MB Approval 228.3	Volvo VDS-3	Renault RLD-2	MACK EO-N
Meets	API CI-4/SL MAN M3275 Global DHD-1 Deutz DQC-III-10	ACEA E7 MTU Type 2 DDC 93K215 Cummins CES 20077/20078	ACEA A3/B4 Mack EO-M CAT ECF-1a, ECF-2	MB 229.1 JASO DH-1



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	10W-40
Density@15°C	kg/m ³	ASTM D4052	857
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	89
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	14.3
Viscosity Index		ASTM D2270	161
Viscosity CCS @-25°C	cP	ASTM D2270	5000
Flash Point COC	°C	ASTM D92	230
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	11.2
Sulphated Ash	%Wt	ASTM D874	1.5

Product Nr: 42550
Date Superseded: 22-06-2021

Date Issued: 14-07-2022
Revision nr: 10



ENGINE OIL HDX

15W-40

Product Description:

ENGINE OIL HDX 15W-40 is an extra high performance universal engine oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-3, Euro-4 and Euro-5 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with DPF filters.

ENGINE OIL HDX 15W-40 is formulated with high refined solvent mineral stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Extended drain intervals.

ENGINE OIL HDX 15W-40 meets the following performance criteria:

Approved	MB Approval 228.3	Volvo VDS-3	Renault RLD-2	MACK EO-N
Meets	API CI-4/ SL Global DHD-1 CAT ECF-1a DDC 93K215	ACEA E7 JASO DH-1 CAT ECF-2	MAN M 3275 Deutz DQC-III Cummins CES 2077/20078	MB 228.1 MTU Type 2



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	15W-40
Density@15°C	kg/m ³	ASTM D4052	885
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	106
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	14.2
Viscosity Index		ASTM D2270	137
Viscosity CCS @-25°C, max	cP	ASTM D5293	6100
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-30
Total Base Number	mgKOH/g	ASTM D2896	11.2
Sulphated Ash	%Wt	ASTM D874	0.98

Product Nr: 42560
Date Superseded: 19-1-2022

Date Issued: 08-08-2022
Revision nr: 13



EP GREASE NLGI 00

Product Description:

EP GREASE NLGI 00 is a high quality multipurpose lithium thickened EP-00 grease suited for automotive, agriculture and industrial applications. **EP GREASE NLGI 00** is suitable in centralized lubrication systems that require semi-fluid grease

EP GREASE NLGI 00 is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent resistance to humidity, preventing that moisture reaches the metal surfaces that need to be lubricated.
- High anti-corrosion, antioxidant and anti-rust capacity.
- High adhesion and smoothness.
- Excellent pumpability.

Temp Range: Continuous operation: -30°C to + 100°C. Short periods maximum +120°C

EP GREASE NLGI 00 exceeds the following performance criteria:

KP00G-30

L-XCEB-00



Property	Unit	Test Method	Typical Value
NLGI Grade		ASTM D217	00
Thickener type			Lithium
Color		Visual	Amber
Dropping Point	°C	IP 396	>180
Base Oil Viscosity @40°C	mm ² /s	ISO 12058	220
4-Ball Weld Load	N	DIN 51350-4	2450
Water resistance, 3h, 90 °C		DIN 51807	1

Product Nr: 43980

Date Superseded: 22-10-2011

Date Issued: 16-12-2019

Revision nr: 02



EP GREASE NLGI 00

Product Description:

EP GREASE NLGI 00 is a high quality multipurpose lithium thickened EP-00 grease suited for automotive, agriculture and industrial applications. **EP GREASE NLGI 00** is suitable in centralized lubrication systems that require semi-fluid grease

EP GREASE NLGI 00 is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent resistance to humidity, preventing that moisture reaches the metal surfaces that need to be lubricated.
- High anti-corrosion, antioxidant and anti-rust capacity.
- High adhesion and smoothness.
- Excellent pumpability.

Temp Range: Continuous operation: -30°C to + 100°C. Short periods maximum +120°C

EP GREASE NLGI 00 exceeds the following performance criteria:

KP00G-30

L-XCEB-00



Property	Unit	Test Method	Typical Value
NLGI Grade		ASTM D217	00
Thickener type			Lithium
Color		Visual	Amber
Dropping Point	°C	IP 396	>180
Base Oil Viscosity @40°C	mm ² /s	ISO 12058	220
4-Ball Weld Load	N	DIN 51350-4	2450
Water resistance, 3h, 90 °C		DIN 51807	1

Product Nr: 43980

Date Superseded: 22-10-2011

Date Issued: 16-12-2019

Revision nr: 02



AUTOGEAR OIL SYN LS 75W-140

Product Description:

AUTOGEAR OIL SYN LS 75W-140 is a synthetic extra high performance multi-functional gear lubricant designed to provide effective lubrication in modern high performance passenger cars, sports utility vehicles, vans and light duty trucks and “off highway” equipment equipped with both conventional and limited slip differentials. The special friction modifier used in this oil helps in reducing chatter and improving traction besides retaining the frictional properties for longer service life.

AUTOGEAR OIL SYN LS 75W-140 is formulated with high quality synthetic base oils in combination with a special additive package to reach the following properties:

- Unique additive technology allows the use of a single lubricant in rear axles, synchronised and non-synchronised manual transmissions and therefore helps in rationalisation of products.
- Exceptional thermo-oxidative stability and load bearing characteristics help in extending the life of the driveline components and the oil.
- Effective rust and corrosion protection, especially to copper and its alloys reduces wear, extends synchroniser life and improves shifting performance.
- Outstanding low temperature fluidity reduces wear at start up and provides smoother shifting at low ambient temperatures.
- Exceptional shear stability helps in retaining viscosity and film strength to protect against wear even under severe operating conditions.
- Superior frictional properties provide improved fuel economy and smoother shift ability.
- Excellent limited slip performance reduces chatter and improves traction.

AUTOGEAR OIL SYN LS 75W-140 meets the following performance criteria:

API GL-5 (LS), MT-1 MIL-PRF-2105E MIL-L-2105D SAE J2360 MACK GO-J
Scania STO 1:0 (Axle) ZF TE-ML-05D ZF TE-ML-21D Ford M2C192-A



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J306	75W-140
Density@15°C	kg/m ³	ASTM D4052	874
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	168
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	25.9
Viscosity Index		ASTM D2270	190
Low-Temperature Brookfield viscosity@-40°C	cP	ASTM D2983	150000
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-45

Product Nr: 43370

Date Superseded: 21-02-2018

Date Issued: 13-12-2019

Revision nr: 02



BRAKE FLUID DOT 4

Product Description:

BRAKE FLUID DOT 4 is a very high performance brake fluid especially designed for use in disc, drum and Anti Brake Systems (ABS) of all commercial vehicles, passenger cars and motor cycles operating under moderate to severe conditions, where a DOT 4 fluid is prescribed.

BRAKE FLUID DOT 4 should never be used in place of or mixed with silicone based brake fluids (DOT 4)

BRAKE FLUID DOT 4 is based on a Glycol-type Base fluid combination with an unique additive package to ensure the following properties:

- Superior oxidative stability resists oxidation at high temperatures encountered in disk braking systems.
- Superior high temperature stability and low temperature fluidity ensure trouble free operation.
- Effective corrosion inhibitors provide long term corrosion protection to the metallic components of the brake systems.
- Provides lubricity and system protection.
- Compatible with all seals and metals used in conventional braking systems requiring glycol-type brake fluids.

BRAKE FLUID DOT 4.0 exceeds the following performance criteria:

FMVSS-116 DOT 4.0

SAE J1704

ISO 4925

Property	Unit	Test Method	Typical Value
Density@15°C	kg/m ³	ASTM D4052	1,07
Kin. Viscosity @-40°C	mm ² /s	FMVSS 116	<900
Kin. Viscosity @100°C	mm ² /s	FMVSS 116	>1,5
Equilibrium Reflex Boiling Point (ERBP)	°C	FMVSS 116	>260
Wet Equilibrium Reflex Boiling Point (WBP)	°C	FMVSS 116	>175
pH Value			7,0 – 11,5
Flash Point COC	°C	DIN 51354-2	

Product Nr: 43920

Date Superseded: 04-03-2016

Date Issued: 20-12-2019

Revision nr: 01



SAFETY DATA SHEET

CALDİNİ RUBBER GREASE

Dated 13 December 2014, numbered 29204, "T.C. It has been prepared in accordance with the provisions of the "Regulation on Safety Data Sheets Regarding Harmful Substances and Mixtures of the Ministry of Environment and Urbanization".

SECTION 1: Identity of the substance/mixture and company/distributor

1.1. Substance/Mixture ID

Name of the product CALDİNİ RUBBER GREASE

1.2. Relevant identified uses of the substance or mixture and uses advised against

Belirlenmiş kullanımlar CALDİNİ RUBBER GREASE

1.3. Information of the supplier of the safety data sheet

Supplier CALPET MADENİ YAĞLAR SAN.VE TİC.A.Ş
İSTANBUL TUZLA KİMYA SANAYİCİLERİ O.S.B. MELEK ARAS BUL.
NO: 27 TEPEÖREN TUZLA 34956, İSTANBUL
TÜRKİYE
TEL: +90 216 593 33 65

1.4. Emergency phone number

Emergency phone number (National Poison Information Center):114
Emergency Health Services:112

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification T.C. 28848

Physical harm It is not classified as harmful.

Health hazards It is not classified as harmful.

Environmental hazards It is not classified as harmful.

Environmental The product is not expected to be hazardous to the environment.

Physico-chemical The product is not in the class of flammable substances, but may ignite when exposed to sources of flame at a temperature above its flash point.

2.2. Label elements

Hazard Statements NC Not classified as harmful.

2.3. Other Harmfulness

With normal precautions (item 7) and personal protective equipment (item 8) used, mineral oils and chemicals do not pose a significant risk

SAFETY DATA SHEET

CALDINI RUBBER GREASE

Dated 13 December 2014, numbered 29204, "T.C. It has been prepared in accordance with the provisions of the "Regulation on Safety Data Sheets Regarding Harmful Substances and Mixtures of the Ministry of Environment and Urbanization".

Mixtures

Mixture

Highly refined mineral oil (IP 346 DMSO extract<3%) Special performance additives

Product name	EC No	CAS No	Amount (%)	Classification 67/548/EC or- 1999/45/EC	Classification 1272/2008 [CLP]
Lubricating oils (petroleum), Base oils; unspecified)	278-012-2	74869-22-0	75 - 90	-	-

The full text for all (R) clauses is given in section 16.

The full text for all (H) and (EUH) clauses is given in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Change clothes and shoes that have contaminated or spilled product.
Never put rags contaminated by the product in clothing pockets.

Eye Contact

In case of eye contact, rinse eyes with copious amounts of water. If persistent irritation occurs, seek medical attention.

Skin Contact

Remove contaminated clothing. Wash the exposed area immediately with plenty of running water and soap. If persistent irritation occurs, seek medical attention.

Breathing

It does not require treatment under normal use conditions. If symptoms such as dizziness and nausea occur, seek fresh air, if symptoms persist, seek medical attention.

Swallowing

In case of discomfort or excessive swallowing, seek medical attention immediately, the swallower should not induce vomiting.

Notes for the Doctor

Treatment should be applied according to the symptoms.

4.2. Most important symptoms and effects, both acute and delaye

Breathing

There are no known specific symptoms.

Swallowing

There are no known specific symptoms.

Skin contact

There are no known specific symptoms.

Eye contact

There are no known specific symptoms.

4.3. Indication of need for medical attention and special treatment

Information to be given to the doctor

Treat the symptoms.

Special treatments

Special treatments

SECTION 5: Fire fighting measure

Evacuate everyone, except emergency personnel, from the fire area.

5.1 Appropriate Fire Extinguishers and Fighting Method

Foam water spray, water droplets, dry chemical powder fire extinguishers can be used. Carbon dioxide extinguishers, sand and earth are suitable for small fires.

SAFETY DATA SHEET

CALDINI RUBBER GREASE

Dated 13 December 2014, numbered 29204, "T.C. It has been prepared in accordance with the provisions of the "Regulation on Safety Data Sheets Regarding Harmful Substances and Mixtures of the Ministry of Environment and Urbanization".

5.2 Unsuitable Fire Extinguishers and Fighting method

Do not use sprinkler water extinguishing method.

5.3 Special Cases

Hazardous combustion products: a complex mixture of gas with solid and liquid particles in the air. Carbon monoxide and some metal oxides. May contain unspecified organic and inorganic compounds.

5.4 Special Protective Equipment Required in Case of Fire Standard protective equipment is used. Self-contained breathing apparatus (SCBA) is used in closed areas.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Risk of slipping, especially where product leaks / spills.

6.2. Environmental precautions

Environmental precautions

Do not allow to mix with drainage system, surface and ground water. Prevent spillage into the environment (for example: by tying or by oil kit). Do not allow it to enter the ground / ground.

6.3. Methods and materials for containment and cleaning up

Spill clean-up methods

Clean with absorbent material (sand, diatomite, acid binder, universal binder, sawdust).
Dispose of collected material in accordance with regulations.

6.4. References to other sections

References to other sections

See Chapter 7 for safe use information. See section 8 for personal protection. See Chapter 13 for waste disposal.

SECTION 7: Handling and storage

7.1 Handling

Avoid prolonged or repeated contact with skin. Wash your hands thoroughly after use. Avoid breathing vapor and/or mist. Protective shoes should be worn when transporting with products and appropriate means of transport should be used.

7.2 Storage

Store in tightly closed container. Store the packaged product in a cool, well-ventilated area.

7.3 Special Uses

There is no specifically specified information.

SAFETY DATA SHEET

CALDINI RUBBER GREASE

Dated 13 December 2014, numbered 29204, "T.C. It has been prepared in accordance with the provisions of the "Regulation on Safety Data Sheets Regarding Harmful Substances and Mixtures of the Ministry of Environment and Urbanization".

SECTION 8: Exposure Controls/personal protection

Control Parameters

DNEL

There is no information available.

PN

There is no information available.

Exposure controls

Engineering Controls

Effective ventilation of the working environment should be ensured against the risk of inhaling oil vapors or fumes. An air evacuation system should be available and other technical measures should be taken. All chemicals should be evaluated for their risk to health and appropriate control measures should be taken to prevent or adequately control exposure to them.

Protective equipment



Appropriate engineering controls Normal precautions should be followed when handling chemicals and mineral oil products.

Keep away from food, drink and animal feeding stuffs.

Personal protection
Göz/Yüz korunması

In case of splashes or spills, wear oil- or chemical-resistant clothing for protection.
Sıçrama tehlikesi yoksa, kenarlıklı kimyasal korunma gözlüğü takın.

Hand protection

Protective gloves and protective skin cream. The selection of suitable gloves depends not only on the material, but also on the brand and quality, which varies from manufacturer to manufacturer. As the product is made of several materials, the durability of the glove cannot be calculated in advance and therefore must be checked before use.

Other skin and body protection For preventive skin protection, use skin protection cream.

Health measures

The product does not contain any amount of substances with critical values that require control in the workplace.

Respiratory protection

In case of insufficient ventilation, suitable respiratory protection should be used

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

9.1 General information

Legislation used in the preparation of the form: Regulation on the Preparation and Distribution of Safety Data Sheets for Dangerous Substances and Preparations (26.12.2008 – 27092)

SAFETY DATA SHEET

CALDINI RUBBER GREASE

Dated 13 December 2014, numbered 29204, "T.C. It has been prepared in accordance with the provisions of the "Regulation on Safety Data Sheets Regarding Harmful Substances and Mixtures of the Ministry of Environment and Urbanization".

Information on basic physical and chemical properties

Physical Condition	Semi-solid
Appearance	Smooth
Colour	Green
Smell	Characteristic mineral oil
pH	not applicable
Soap Type	Calcium
Auto Ignition temperature	the product is not self-igniting.
Resolution	insoluble in water
NLGI Sınıfı	3
Dropping Point	Min. 100

Other informations

There is no information available.

SECTION 10: Stability and reactivity

Reactivity

There are no reactive hazards associated with this product.

Chemical stability

Stable under normal storage and use conditions.

Possibility of dangerous reaction

Hazardous reactions do not occur.

Conditions to avoid

It should not be exposed to high temperatures or direct sunlight.

Materials to avoid

Igniting agents, strong oxidizers.

Dangerous separation products

The formation of harmful decomposition products is not expected during normal storage. Carbon oxides. Some metal oxides.

SECTION 11: Toxicological information

11.1. Information on toxic effects

Toxic effects No available information.

Skin corrosion/irritation

Animal data There may be slight irritation..

SAFETY DATA SHEET

CALDINI RUBBER GREASE

Dated 13 December 2014, numbered 29204, "T.C. It has been prepared in accordance with the provisions of the "Regulation on Safety Data Sheets Regarding Harmful Substances and Mixtures of the Ministry of Environment and Urbanization".

Serious eye damage/irritation

Serious eye damage/irritation May Be Slightly Irritated..

Respiratory sensitization

Respiratory sensitization There is no specific test data available.

Skin sensitization

Skin sensitization There is no specific test data available.

Germ cell mutagenicity

Genotoksisite - in vitro There is no specific test data available.

Carcinogenicity

Carcinogenicity There is no specific test data available.

Reproductive toxicity

There is not enough information for classification.

SECTION 12: Ecological information

Toxicity

Environmental hazards

The product is not expected to be hazardous to the environment.

Persistence and degradability

It is not permanent, it is expected to disintegrate on its own.

Bioaccumulation potential

It is not expected to bioaccumulate in the environment via the food chain.

Mobility in the soil

It is liquid under most ambient conditions. It floats on water. It is unlikely to mix with soil.

Mobility

It is insoluble in water.

Results of PBT and vPvB assessment

It does not contain any compounds evaluated as PBT and vPvB.

Other adverse effects

Spilled product pollutes groundwater.

SECTION 13: Disposal information

SAFETY DATA SHEET

CALDINI RUBBER GREASE

Dated 13 December 2014, numbered 29204, "T.C. It has been prepared in accordance with the provisions of the "Regulation on Safety Data Sheets Regarding Harmful Substances and Mixtures of the Ministry of Environment and Urbanization".

Waste treatment methods

Do not discharge into the environment, sewers or streams. Used product and product containers should be disposed of by licensed units in accordance with current legislation. Do not allow spilled products to enter drains and sewers.

SECTION 14: Transport information

The product is not covered by international regulations on the transport of dangerous goods. (IMDG, IATA, ADR/RID).

UN number

Not edited.

UN proper shipping name

Not edited.

Transport hazard class(es)

Not edited.

Packing group

Not edited.

Environmental hazards

Marine pollutant

Special precautions for the user

No information available. Transport in bulk according to Annex II of MARPOL 73/78 and IBC code

No information available.

SECTION 15: Regulatory information

15.1. Safety, health and environmental legislation specific for the substance or mixture

National regulations When using chemical or mineral oil products, normal safety regulations must be observed.

Until 2004/73/EC (31st ATP) and the Hazardous Materials Act, the product is not subject to identification rules under the EC Directives. Possibly dangerous as clearly stated in point 3 compounds concentrations are below the classification value. Local regulations must be observed.

EU legislation Regulation on the classification, labeling and packaging of substances and mixtures From the Ministry of Environment and Urbanization 11 December 2013 Official Gazette Number 28848 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), of the European Parliament and of the Council (EC) of 18 December 2006, 1907/2006 Regulation No. (as amended).

SECTION 16: Other informations

General Information All ingredients are listed in the European Inventories. These data are based on our current knowledge. However, they are not a guarantee for specific product features and will not constitute legal validity in contractual relations. This safety data sheet is the safety data sheet according to 91/155/EU. For products that are not subject to classification according to EU lists, this table is optional.

Legislation used in the preparation of the form: Regulation on the Preparation and Distribution of Safety Data Sheets for Dangerous Substances and Preparations (26.12.2008 – 27092)

SAFETY DATA SHEET

CALDINI RUBBER GREASE

Dated 13 December 2014, numbered 29204, "T.C. It has been prepared in accordance with the provisions of the "Regulation on Safety Data Sheets Regarding Harmful Substances and Mixtures of the Ministry of Environment and Urbanization".

Main literature references and "Regulation on Safety Data Sheets of Harmful Substances and Mixtures of the Ministry of Environment and Urbanization", dated 13 December 2014 and numbered 29204 sources of information

All risk statements No

All hazard statements No



COMPRESSOR OIL

VDL 32

Product Description:

COMPRESSOR OIL VDL 32 is a high performance ash less air compressor oil specially designed to meet the stringent requirements of major compressor manufacturers.

COMPRESSOR OIL VDL 32 is suited for reciprocating air-, rotary screw and vane compressors. Also used in circulating oil systems, plain and rolling element bearings, lightly loaded Gear sets, etc.

COMPRESSOR OIL VDL 32 is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent thermo- and oxidation stability.
- Improved equipment reliability, availability and efficiency.
- Low ash and carbon forming tendency ensures improved valve performance.
- Reduced potential for fires and explosions in the discharge systems.
- Exceptional wear and rust protection.
- Superior demulsibility reduces oil carryover and corrosion, maintains lubrication efficiency.
- Reduces sludge formation and improves life of coalesces.

COMPRESSOR OIL VDL 32 exceeds the following performance criteria:

DIN 51506 VBL/VCL/VDL
ISO 6743 DAA/DAB/DAG/DAH
DIN 51503-1 KAA/KE



Property	Unit	Test Method	Typical Value
ISO VG Class			32
Density @15°C	kg/m ³	ASTM D4052	850.6
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	32.0
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	5.7
Viscosity Index		ASTM D2270	119
Flash Point COC	°C	ASTM D92	>190
Pour Point	°C	ASTM D7346	-33
FZG A/8, 3/90°C		DIN 51354-2	12
Demulsibility @54°C, max	min	DIN 51999	30

Product Nr: 43790
Date Superseded: 30-9-2021

Date Issued: 8-1-2025
Revision nr: 05



COOLANT RTU 40

Product Description:

COOLANT RTU 40 is a silicate, amine-, nitrites- and phosphates free ready to use coolant (50% diluted) providing frost and corrosion protection. For the perfect operation of water-cooled internal combustion engines.

COOLANT RTU 40 is based mono ethylene glycol in combination with a powerful additive technology to obtain the following benefits:

- Corrosion protection, also for non-ferro metals.
- Frost protection.
- Boiling protection.
- Seal compatibility.

COOLANT RTU 40 meets the following performance criteria:

British Standard (BS) 6580
CUNA NC 956-16



Property	Unit	Test Method	Typical Value
Color			Blue
Density @15°C	kg/l	ASTM D5931	1.060
Equilibrium Boiling Point	°C	ASTM D1120	>125
Reserve Alkalinity (pH 5.5)		ASTM D1121	3.0
Refractive Index, 20°C		ASTM D1218	1.435
Freezing Protection	°C	ASTM D1177	-26

Product Nr: 43960
Date Superseded: 29-05-2018

Date Issued: 08-11-2011
Revision nr: 02



COOLANT

RTU G12 PLUS

Product Description:

COOLANT RTU G 12 PLUS is a Ready-To-Use long life silicate-, amine-, nitrite-, borate- and phosphates free coolant to be used as a cooling and heat transferring fluid in combustion engines.

COOLANT RTU G 12 PLUS should be used undiluted, only then the coolant gives a protection to -40°C.

COOLANT RTU G 12 PLUS is based on ethylene glycol and in combination of a patent silicate free aliphatic additive technology to obtain the following properties:

- Extended life.
- Environmentally friendly.
- Reliability.
- Excellent corrosion protection for aluminium heat transfer surfaces.
- Excellent cavitation protection.
- Improved heat transfer.
- Improved hard water stability; absence of silicates and phosphates.
- Suitable for mixed fleets; 1 coolant for automotive and heavy duty applications.

COOLANT RTU G 12 PLUS offers strong protection: up to 650.000 km for buses and trucks, 250.000 km for passenger vehicles and up to 16.000 hours for steady-state engines. It is recommended to change the coolant every five years or at above mileages or operating times, whichever comes first. Perfectly mixable with other cooling fluids based on Ethylene Glycol.

COOLANT RTU G 12 PLUS exceeds the following performance criteria:

ASTM D3306
VW TL-774 F (G12+)
Cummins CES 14603
DDC DFS93K217
Foton Q-FPT 2313005-2013
JIS K2234
Komatsu 07.892 (2009)
Mack 014 GS 17009
Mazda MEZ MN 121D
MWM 0199-99-2091/12

ASTM D6210
BS 6580
Cummins CES 14439
Deutz DQC CB-14
STJLR 651.5003
Jenbacher TA 1000-0201
KSM 2142
MAN 324 Typ SNF
MB 326.3
Opel/GM GMW 3420

VW TL-774 D (G12)
MAT 3624
DAF 74002
Ford WSS-M97N44-D
Jaguar CMR 8229
JDM H5
Liebherr MD1-36-130
Renault Type D
MTU 5048
Volvo VCS



Property	Unit	Test Method	Typical Value
Color			Orange/red
Density @20°C	kg/m ³	ASTM D1298	1.068
Freezing Point	°C	ASTM D1177	-40
pH (50% in water)		ASTM D1287	8.6

Product Nr: 43970

Date Issued: 20-07-2020

Date Superseded: 14-05-2012

Revision nr: 03



Product Data Sheet
COOLANT
XL

Product Description:

COOLANT XL is a long life silicate-containing nitrites, amines and phosphate free ready to use coolant in ethylene glycol, to be used as a cooling and heat transferring fluid in combustion engines.

COOLANT XL is based on ethylene glycol in combination with a powerful additive technology to obtain the following properties:

- Efficient and long lasting corrosion protection.
- Maintenance-free operation against freezing and boiling.
- Extended coolant life.
- Excellent seal compatibility



COOLANT XL meets the following performance criteria:

VW TL 774C (G11)	MB 326.0	FIAT 9.55523	IVECO 18-1830
Ford ESD M97B49-A	GM GME L1301	Cummins 85T8-2	MAN 324 NF
MTU MTL 5048	Volvo CE	BS 6580	JASO M325
Deutz DQC CA-14	ASTM D3306	BMW GS 94000	Chrysler MS-7170
NFR 15-601	Case JIC-501	KSM 2142	

Property	Unit	Test Method	Typical Value
Color			Light Green
Density @15°C	kg/m ³	ASTM D5931	1.070
Equilibrium Boiling Point	°C	ASTM D1120	>125
Reserve Alkalinity (pH 5.5)		ASTM D1121	8
Refractive Index, 20°C		ASTM D1218	1.43
Freezing Protection	°C		-37

Product Nr: 45170
Date Superseded: 02-03-2018

Date Issued: 09-03-2021
Revision nr: 02



ENGINE OIL HDX

10W-40

Product Description:

Engine Oil HDX 10W-40 is a extra high performance universal semi synthetic engine oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-3, Euro-4 and Euro-5 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with DPF filters.

Engine Oil HDX 10W-40 is formulated with high refined solvent mineral and synthetic base stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Extended drain intervals.

ENGINE OIL HDX 10W-40 meets the following performance criteria:

Approved	MB Approval 228.3	Volvo VDS-3	Renault RLD-2	MACK EO-N
Meets	API CI-4/SL MAN M3275 Global DHD-1 Deutz DQC-III-10	ACEA E7 MTU Type 2 DDC 93K215 Cummins CES 20077/20078	ACEA A3/B4 Mack EO-M CAT ECF-1a, ECF-2	MB 229.1 JASO DH-1



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	10W-40
Density@15°C	kg/m ³	ASTM D4052	857
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	89
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	14.3
Viscosity Index		ASTM D2270	161
Viscosity CCS @-25°C	cP	ASTM D2270	5000
Flash Point COC	°C	ASTM D92	230
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	11.2
Sulphated Ash	%Wt	ASTM D874	1.5

Product Nr: 42550
Date Superseded: 22-06-2021

Date Issued: 14-07-2022
Revision nr: 10



ENGINE OIL HDX

15W-40

Product Description:

ENGINE OIL HDX 15W-40 is an extra high performance universal engine oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-3, Euro-4 and Euro-5 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with DPF filters.

ENGINE OIL HDX 15W-40 is formulated with high refined solvent mineral stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Extended drain intervals.

ENGINE OIL HDX 15W-40 meets the following performance criteria:

Approved	MB Approval 228.3	Volvo VDS-3	Renault RLD-2	MACK EO-N
Meets	API CI-4/ SL Global DHD-1 CAT ECF-1a DDC 93K215	ACEA E7 JASO DH-1 CAT ECF-2	MAN M 3275 Deutz DQC-III Cummins CES 2077/20078	MB 228.1 MTU Type 2



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	15W-40
Density@15°C	kg/m ³	ASTM D4052	885
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	106
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	14.2
Viscosity Index		ASTM D2270	137
Viscosity CCS @-25°C, max	cP	ASTM D5293	6100
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-30
Total Base Number	mgKOH/g	ASTM D2896	11.2
Sulphated Ash	%Wt	ASTM D874	0.98

Product Nr: 42560
Date Superseded: 19-1-2022

Date Issued: 08-08-2022
Revision nr: 13



EP GREASE NLGI 00

Product Description:

EP GREASE NLGI 00 is a high quality multipurpose lithium thickened EP-00 grease suited for automotive, agriculture and industrial applications. **EP GREASE NLGI 00** is suitable in centralized lubrication systems that require semi-fluid grease

EP GREASE NLGI 00 is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent resistance to humidity, preventing that moisture reaches the metal surfaces that need to be lubricated.
- High anti-corrosion, antioxidant and anti-rust capacity.
- High adhesion and smoothness.
- Excellent pumpability.

Temp Range: Continuous operation: -30°C to + 100°C. Short periods maximum +120°C

EP GREASE NLGI 00 exceeds the following performance criteria:

KP00G-30

L-XCEB-00



Property	Unit	Test Method	Typical Value
NLGI Grade		ASTM D217	00
Thickener type			Lithium
Color		Visual	Amber
Dropping Point	°C	IP 396	>180
Base Oil Viscosity @40°C	mm ² /s	ISO 12058	220
4-Ball Weld Load	N	DIN 51350-4	2450
Water resistance, 3h, 90 °C		DIN 51807	1

Product Nr: 43980

Date Superseded: 22-10-2011

Date Issued: 16-12-2019

Revision nr: 02



EP GREASE NLGI 00

Product Description:

EP GREASE NLGI 00 is a high quality multipurpose lithium thickened EP-00 grease suited for automotive, agriculture and industrial applications. **EP GREASE NLGI 00** is suitable in centralized lubrication systems that require semi-fluid grease

EP GREASE NLGI 00 is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent resistance to humidity, preventing that moisture reaches the metal surfaces that need to be lubricated.
- High anti-corrosion, antioxidant and anti-rust capacity.
- High adhesion and smoothness.
- Excellent pumpability.

Temp Range: Continuous operation: -30°C to + 100°C. Short periods maximum +120°C

EP GREASE NLGI 00 exceeds the following performance criteria:

KP00G-30

L-XCEB-00



Property	Unit	Test Method	Typical Value
NLGI Grade		ASTM D217	00
Thickener type			Lithium
Color		Visual	Amber
Dropping Point	°C	IP 396	>180
Base Oil Viscosity @40°C	mm ² /s	ISO 12058	220
4-Ball Weld Load	N	DIN 51350-4	2450
Water resistance, 3h, 90 °C		DIN 51807	1

Product Nr: 43980

Date Superseded: 22-10-2011

Date Issued: 16-12-2019

Revision nr: 02



HYDRAULIC OIL

HM 46

Product Description:

HYDRAULIC OIL HM 46 is a universal mineral high grade EP oil for use in heavy duty hydraulic systems and light duty gearboxes, bearings and general lubrication. Not suitable for turbine application.

HYDRAULIC OIL HM 46 is formulated with high quality refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance:

- Excellent stability against oxidation.
- Very good protection against wear.
- Good water demulsibility.
- Very good foaming properties.
- Very effective to rust and corrosion.

HYDRAULIC OIL HM 46 exceeds the following performance criteria.:

DIN 51524-2 HLP

AFNOR NF E 48-603 HM

Eaton Vickers M-2950-S / I-286

ISO 11158 HM

Cincinnati P-70

ASTM D6158 HM

Sauer Danfoss 520L0463



Property	Unit	Test Method	Typical Value
ISO Grade		ISO 3448	46
Density@15°C	kg/m ³	ASTM D4052	879.1
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	47.4
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	7.0
Viscosity Index		ASTM D2270	103
Flash Point COC	°C	ASTM D92	>200
Pour Point	°C	ASTM D97	-30
Air Release Value @50°C	Minutes	ASTM D3427	Pass
Demulsibility @54°C	Minutes	ASTM D1401	Pass

Product Nr: 43540

Date Superseded: 31-10-2022

Date Issued: 2-1-2025

Revision nr: 07





HYDRAULIC OIL

HM 68

Product Description:

HYDRAULIC OIL HM 68 is an universal mineral high grade EP oil for use in heavy duty hydraulic systems and light duty gearboxes, bearings and general lubrication. Not suitable for turbine application.

HYDRAULIC OIL HM 68 is formulated with high quality refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance:

- Excellent stability against oxidation.
- Very good protection against wear.
- Good water demulsibility.
- Very good foaming properties.
- Very effective to rust and corrosion.

HYDRAULIC OIL HM 68 exceeds the following performance criteria.:

DIN 51524-2 HLP

AFNOR NF E 48-603 HM

Eaton Vickers M-2950-S / I-286

ISO 11158 HM

Cincinnati P-69

ASTM D6158 HM

Sauer Danfoss 520L0463



Property	Unit	Test Method	Typical Value
ISO Grade		ISO 3448	68
Density@15°C	kg/m ³	ASTM D4052	882.9
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	70.0
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	8.9
Viscosity Index		ASTM D2270	101
Flash Point COC	°C	ASTM D92	>200
Pour Point	°C	ASTM D97	-30
Air Release Value @50°C	Minutes	ASTM D3427	Pass
Demulsibility @54°C	Minutes	ASTM D1401	Pass

Product Nr: 43560

Date Superseded: 31-10-2022

Date Issued: 2-1-2025

Revision nr: 04





MONO ENGINE OIL CF 30

**Product Description:**

MONO ENGINE OIL CF 30 is a heavy duty diesel engine oil developed to meet the requirements of a variety of diesel engines operating under severe conditions.

MONO ENGINE OIL CF 30 is suitable for use in a wide range of on- and off-highway applications where an API CF oil is recommended.

MONO ENGINE OIL CF 30 is based on high quality refined virgin base oil in combination with a special additive package to ensure the following properties:

- High thermal and oxidation stability.
- Effective in preventing from wear, corrosion and foam.
- High dispersancy and detergency properties.

MONO ENGINE OIL CF 30 meets the following performance criteria:

API SF/CF **MTU Type 2** **CCMC G2/D1** **MIL-L-46152**

Suitable for use: **API CH-4**

Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	30
Density@15°C	kg/m ³	ASTM D4052	884
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	89
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	10.4
Viscosity Index		ASTM D2270	101
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-27
Total Base Number	mgKOH/g	ASTM D2896	12.5

Product Nr: 42660

Date Superseded: 23-04-2021

Date Issued: 30-06-2023

Revision nr: 07



MOTOR OIL SF

15W-40

Product Description:

MOTOR OIL SF 15W-40 is a multi functional mineral engine oil for older gasoline-, diesel- and LGP engines of passenger car and light vans with or without turbo compressor. MOTOR OIL SF 15W-40 is not suited for engines equipped with a Diesel Particulate Filter (DPF).

MOTOR OIL SF 15W-40 is formulated with special selected base stocks in combination with unique additive package to reach the following properties:

- Stable viscosity index.
- Good protection against rust, corrosion and wear.
- Good dispersancy and detergency properties.
- Good antifoam properties.

MOTOR OIL SF 15W-40 exceeds the following performance criteria:

API SF/CD

Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	15W-40
Density@15°C	kg/m ³	ASTM D4052	865.7
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	93.7
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	13.6
Viscosity Index		ASTM D2270	146
Viscosity CCS @-20°C, max	cP	ASTM D5293	3780
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	8.5
Sulphated Ash	%Wt	ASTM D874	0.66

Product Nr: 42120

Date Superseded: 18-01-2021

Date Issued: 27-11-2024

Revision nr: 05





MOTOR OIL SYNTHETIC 10W-40

Product Description:

MOTOR OIL SYNTHETIC 10W-40 is an universal high performance fuel saving synthetic oil for use in gasoline- and diesel engines of passenger car and light vans with or without turbocharger. This product is unsuitable for diesel engines equipped with a Diesel Particulate Filter (DPF).

MOTOR OIL SYNTHETIC 10W-40 is formulated with high quality synthetic base stock in combination with a special additive technology to achieve the following performance:

- Very good low temperature properties.
- Protection to wear by cold start.
- Very high thermal- and oxidation stability.
- Excellent resistance against foaming, corrosion and wear.
- High dispersancy and detergency level.
- High viscosity index.

MOTOR OIL SYNTHETIC 10W-40 exceeds the following performance criteria:

Approved MB-Approval 229.3

Exceeds API SP ACEA A3/B4 MB 226.5
RN 0700/0710 VW 501.01/505.00



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	10W-40
Density@15°C	kg/m ³	ASTM D4052	860.1
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	90.8
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	13.8
Viscosity Index		ASTM D2270	155
Viscosity CCS @-25°C	cP	ASTM D5293	5980
Flash Point COC	°C	ASTM D92	>215
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	11.3
Sulphated Ash	%Wt	ASTM D874	1.3

Product Nr: 42340
Date Superseded: 11-08-2022

Date Issued: 29-11-2024
Revision nr: 08



MOTOR OIL SYNTHETIC LE 5W-30

Product Description:

Motor Oil Synthetic LE 5W-30 is a high performance fuel saving MID SAPS engine oil based on 100% synthetic technology for use in the latest generation gasoline and diesel engines of passenger car and light vans with or without turbocharger.

Motor Oil Synthetic LE 5W-30 is developed for use in engine which are equipped with or without an exhaust gas after treatment system.

Motor Oil Synthetic LE 5W-30 is based on high performance 100% synthetic base oil in combination with a specially selected additive technology to ensure the following properties:

- Good thermal and oxidation stability.
- MID SAPS technology.
- Good protection against wear, foam and corrosion.
- Low temperature properties, to ensure a smooth cold start.
- Equipped for diesel engines with an exhaust after treatment system.
- Fuel saving properties.
- Excellent detergency and dispersency properties.

Motor Oil Synthetic LE 5W-30 exceeds the following performance criteria.:

Approved:	MB-Approval 229.52 (Pending) OV 040 1547 – G30 (Pending)	MB-Approval 229.51 (Pending) OV 040 1547 – D30 (Pending)	BMW LL-04 (Pending)
Exceeds:	ACEA C3 MB 229.31	API SP MB 226.52	Renault RN17 DEXOS 2



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	5W-30
Density @15°C	kg/m ³	ASTM D4052	853.4
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	68.8
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	11.8
Viscosity Index		ASTM D2270	170
Viscosity CCS	cP	ASTM D5293	6310
Flash Point COC	°C	ASTM D92	>200
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	9.7
Sulphated Ash	%Wt	ASTM D874	0.8

Product Nr: 42255
Date Superseded: 27-05-2024

Date Issued: 27-11-2024
Revision nr: 02



MOTOR OIL SYNTHETIC LE **5W-40**

Product Description:

Motor Oil Synthetic LE 5W-40 is a high performance fuel saving MID SAPS engine oil based on 100% synthetic technology for use in the latest generation gasoline and diesel engines of passenger car and light vans with or without turbocharger.

Motor Oil Synthetic LE 5W-40 is developed for use in engine which are equipped with or without an exhaust gas after treatment system.

Motor Oil Synthetic LE 5W-40 is based on high performance 100% synthetic base oil in combination with a specially selected additive technology to ensure the following properties:

- Good thermal and oxidation stability.
- MID SAPS technology.
- Good protection against wear, foam and corrosion.
- Low temperature properties, to ensure a smooth cold start.
- Equipped for diesel engines with an exhaust after treatment system.
- Fuel saving properties.
- Excellent detergency and dispersency properties.



Motor Oil Synthetic LE 5W-40 exceeds the following performance criteria:

Approved: **MB-Approval 229.52 (Pending)** **MB-Approval 229.51 (Pending)** **BMW LL-04 (Pending)**

Exceeds: **ACEA C3 VW 505.00/505.01** **API SP** **MB 229.31**

Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	5W-40
Density @15°C	kg/m ³	ASTM D4052	851.9
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	67.2
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	13
Viscosity Index		ASTM D2270	175.7
Viscosity CCS	cP	ASTM D5293	5150
Flash Point COC	°C	ASTM D92	>200
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	7.2
Sulphated Ash	%Wt	ASTM D874	0.8

Product Nr: 42265
Date Superseded: 27-05-2024

Date Issued: 27-11-2024
Revision nr: 3



MOTORCYCLE OIL

2T EXTRA

Product Description:

MOTORCYCLE OIL 2T EXTRA is a high quality semi-synthetic lubricant specially developed for high powered 2-stroke air and water cooled gasoline engines fitted with oil-injection or premix systems.

MOTORCYCLE OIL 2T EXTRA is based on a high quality virgin and synthetic base oils in combination with a special selected additive package to obtain the following properties:

- Outstanding protection against piston scuffing and premature wear of engine components.
- Excellent control against engine deposits, exhaust system blocking.
- Extended engine life without power loss.
- Low ash additive technology prevents pre-ignition and spark plug fouling.
- Specially selected synthetic base fluid reduces visible exhaust smoke.
- Easy miscibility with gasoline ensures stable homogeneous mixture even at low ambient temperatures.

MOTORCYCLE OIL 2T EXTRA exceeds the following performance criteria:

API TC JASO FD ISO-L-EGD TISI

Property	Unit	Test Method	Typical Value
Density@15°C	kg/m ³	ASTM D4052	863.2
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	62.6
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	9.1
Viscosity Index		ASTM D2270	123
Flash Point COC	°C	ASTM D92	>90
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	1.2
Sulphated Ash	%Wt	ASTM D78	0.14

Product Nr: 42940
Date Superseded: 24-6-2021

Date Issued: 6-1-2025
Revision nr: 05





SUPER TRACTOR OIL

10W-30

Product Description:

SUPER TRACTOR OIL 10W-30 is a high quality universal mineral based so called "Super Tractor Oil Universal" (STOU) developed for use in tractors, combines, harvesters and off the road equipment with or without turbocharger diesel engines. Super Tractor Oil Universal is also designed to lubricate the transmission, power take-off, final drive, hydraulic system and oil immersed "wet brakes". This product cannot be used in diesel engines equipped with a Diesel Particulate Filter (DPF).



SUPER TRACTOR OIL 10W-30 is formulated on high refined solvent mineral base stock in combination with an unique additive package to reach the following properties;

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- Excellent cold start properties.
- High anti-foam, anti-wear and anti-corrosion properties.
- Suitable for Wet Brakes.

SUPER TRACTOR OIL 10W-30 exceeds the following performance criteria:

Engine Spec:	API CG-4/CF-4/CE/SF	MB 227.1	ACEA E3
STOU/UTTO Spec:	JD J27, J20C	Ford M2C159B/C	MF M 1145
	FNH 82009201,2,3	Ford M2C86C	Ford M2C134A,C,D
	Case 1206,1209	MF M 1135/ 1139	MF M 1143/1144
	Caterpillar TO-2	API GL-4	Allison C-4
	CNH MAT 3525,3526	NH 030C	NH 024C
	NH 420A	NH 410B	ZF TE-ML 06A,B,C,R,07B
Hydr. Spec:	Eaton M-2950S	Eaton I-280-S	Danfoss

Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	10W-30
Density@15°C	kg/m ³	ASTM D4052	875.6
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	65.7
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	10.3
Viscosity Index		ASTM D2270	141
Viscosity CCS @-25°C	cP	ASTM D5293	6000
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-39
Total Base Number	mgKOH/g	ASTM D2896	10.7

Product Nr: 43270

Date Superseded: 16-12-2019

Date Issued: 3-1-2025

Revision nr: 03



ATF DX III

Product Description:

ATF DX III is a high quality universal fluid to be used in automatic transmission, torque converters and power steering of passenger car, light vans and commercial vehicles.

ATF DX III is formulated on high refined solvent mineral and synthetic base stock in combination with an unique additive package to reach the following properties.

- Excellent thermal- and oxidation stability.
- Special friction modifiers.
- Very high viscosity Index.
- Low pourpoint.
- Excellent shifting at very low and high temperatures.
- Excellent protection against the forming corrosion, foam and wear.

ATF DX III meets the following performance criteria:

DEXRON III H	Allison C4	MAN 339 V1/Z1	MB 236.9
Voith H55.6335.xx	ZF TE-ML 03D	ZF TE-ML 14A	VOLVO 97341
FORD M	GM D-IID	GM D-IIIG/H	VOLVO 97340



Property	Unit	Test Method	Typical Value
Color		Visual	Red
Density @15°C	kg/m ³	ASTM D4052	850
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	36.8
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	7.6
Viscosity Index		ASTM D2270	180
Viscosity Brookfield @-40°, max.	cP	ASTM D2983	< 20000
Flash Point COC	°C	ASTM D92	201

Product Nr: 43220
Date Superseded: 21-02-2018

Date Issued: 16-12-2019
Revision nr: 05



ATF

MV

Product Description:

ATF MV is a high quality synthetic fluid specially designed with advanced multi-vehicle additive technology to serve a broad range of. ATF MV exceeds the complex requirements of Automatic Transmission/ Vehicle Manufacturers of Europe, North America and Asia including the JASO 1-A performance standard created by Japanese Automobile Manufacturers Association.

Remark: Not suitable for use in Continuously Variable Transmissions (CVT), Dual Clutch Transmission (DCT), Daimler MB 7 speed (NAG 2), ZF 6 Speed.

ATF MV is based on fully synthetic base in combination with an unique additive package to ensure the following properties:

- Excellent thermo- and oxidation stability.
- Excellent lubrication, even under extreme conditions.
- Very high protection against wear, corrosion and foam.
- High “shear stable”.
- Very low Pour point, can be used by very cold temperatures.
- High Viscosity Index.

ATF MV exceeds the following performance criteria:

Allison C4, TES 295	LT 71141, LA 2634	ETL -7045E, 8072B	Chrysler AS68RC
ATF Chrysler +3, +4	Ford Mercon	Ford Mercon V	Dexron IID, IIIG/H
Honda Z1	Mitsubishi SP-II / III	Hyundai/ KIA SPII /III	Idemitsu K17 / ATF HP
JWS 3309/3314/3317	JASO M315-2004	Texaco N402	MAN 339 V1/Z1/Z2
Mazda ATF M-III, M5	MB 236.3, 5, 6, 7, 8	MB 236.9, 10, 11, 91	Nissan Matic D,J,K,W
Subaru ATF, HP	Toyota T-III, T-IV	Voith H55.6335.xx	Volvo Std 1273.4
VW G 052 025	VW G 055 025	VW G 052 162	VW G 052 990
Volvo P/N 1161521	Volvo 1161540	Volvo 1161640	Volvo CE 1273,41
PSA P/N Z 000169756	Ssang Yong DSIH 5M-66	ZF TE ML 03D, 04D, 11A/B, 14A/B, 16L/R, 17C, 20B, 25B	



Property	Unit	Test Method	Typical Value
Color		Visual	Colorless to light Yellow
Density @15°C	kg/m ³	ASTM D4052	846.7
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	35.5
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	7.6
Viscosity Index		ASTM D2270	188
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-51

Product Nr: 43230

Date Superseded: 13-12-2019

Date Issued: 30-12-2024

Revision nr: 06



AUTOGEAR OIL MP

75W-90

Product Description:

AUTOGEAR OIL MP 75W-90 is a universal high performance multi-purpose gear oil for use in differentials, axles and some transmissions of passenger cars, vans, light- and heavy commercial vehicles, off-highway equipment, mining and agriculture where a SAE 75W-90 GL-5 is been required.

AUTOGEAR OIL MP 75W-90 is based on a high quality synthetic base oil in combination with a special additive package to ensure the following properties:

- Good extreme pressure and anti-wear properties.
- High thermal- and oxidation stability.
- Effective rust, wear and corrosion protection.
- Better low temperature provides easy start-up at low ambient temperatures.
- Good anti-foam properties ensure film strength for effective lubrication.
- Excellent seal compatibility.

AUTOGEAR OIL MP 75W-90 meets the following performance criteria:

API GL-5
Volvo 97310

MIL-L-2105D
ZF TE-ML 7A, 16B, 17B, 21A

MAN 342 M1

MB 235.0



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J306	75W-90
Density@15°C	kg/m ³	ASTM D4052	863
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	88
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	14.4
Viscosity Index		ASTM D2270	170
Flash Point	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-42

Product Nr: 43055
Date Superseded: -

Date Issued: 19-10-2022
Revision nr: -



AUTOGEAR OIL MP 80W-90

Product Description:

AUTOGEAR OIL MP 80W-90 is an universal high performance mineral multi purpose gear oil for use in different applications, such as; manual transmission and transaxles of passenger cars, vans, light- and heavy commercial vehicles, off-highway equipment, mining and agriculture, where a SAE 80W-90 GL-5 oil is been required.

AUTOGEAR OIL MP 80W-90 is formulated with high refined mineral base stocks in combination with a special additive technology to achieve the following performance:

- Very good protection against wear.
- Very good performance against the forming of foam and corrosion.
- Good Oxidation- and thermal stability.

AUTOGEAR OIL MP 80W-90 meets the following performance criteria:

API GL-5 **MIL-L-2105D** **MAN 342 M1** **MAN 342 M2**
MB 235.0 **Volvo 1273.10** **ZF TE-ML 05A, 7A, 16B, 16C, 16D, 17B, 19B, 21A**



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J306	80W-90
Density@15°C	kg/m ³	ASTM D4052	895
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	138
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	14.4
Low-Temperature Brookfield Viscosity @ -26°	cP	ASTM D2983	< 150000
Viscosity Index		ASTM D2270	103
Flash Point	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-30

Product Nr: 43060

Date Superseded: 08-11-2018

Date Issued: 13-12-2019

Revision nr: 04



AUTOGEAR OIL MP

85W-90

Product Description:

AUTOGEAR OIL MP 85W-90 is an universal high performance mineral multi-purpose gear oil for use in manual transmission en transaxles of passenger cars, vans, light- and heavy commercial vehicles, off-highway equipment, mining and agriculture where a SAE 85W-90 GL-5 is been required.

AUTOGEAR OIL MP 85W-90 is based on high quality mineral base oil in combination with a special additive package to ensure the following properties:

- Good thermo-oxidative stability.
- Good load bearing characteristics.
- Effective rust and corrosion protection.
- High low temperature fluidity provides smoother shifting at low ambient temperatures.
- Exceptional shear stable.

AUTOGEAR OIL MP 85W-90 meets the following performance criteria:

API GL-4/5	MB 235.6	MAN 342-M1-M2	MIL-PRF-2105D
Volvo 97310	Volvo 97316	Volvo STD 1273.21	SAE J2360
SCANIA STO 1.0	ZF TE-ML 05A/07A/08/12E/16B/16C/17B/19B/21A		



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J306	85W-90
Density@15°C	kg/m ³	ASTM D4052	888.3
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	154.8
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	15.9
Low-Temperature Brookfield Viscosity @ -12°	cP	ASTM D2983	13000
Viscosity Index		ASTM D2270	105
Flash Point	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-27

Product Nr: 43070
Date Superseded: 22-01-2021

Date Issued: 20-12-2024
Revision nr: 05



HYDRAULIC OIL

HM 46

Product Description:

HYDRAULIC OIL HM 46 is a universal mineral high grade EP oil for use in heavy duty hydraulic systems and light duty gearboxes, bearings and general lubrication. Not suitable for turbine application.

HYDRAULIC OIL HM 46 is formulated with high quality refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance:

- Excellent stability against oxidation.
- Very good protection against wear.
- Good water demulsibility.
- Very good foaming properties.
- Very effective to rust and corrosion.

HYDRAULIC OIL HM 46 exceeds the following performance criteria.:

DIN 51524-2 HLP

AFNOR NF E 48-603 HM

Eaton Vickers M-2950-S / I-286

ISO 11158 HM

Cincinnati P-70

ASTM D6158 HM

Sauer Danfoss 520L0463



Property	Unit	Test Method	Typical Value
ISO Grade		ISO 3448	46
Density@15°C	kg/m ³	ASTM D4052	879.1
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	47.4
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	7.0
Viscosity Index		ASTM D2270	103
Flash Point COC	°C	ASTM D92	>200
Pour Point	°C	ASTM D97	-30
Air Release Value @50°C	Minutes	ASTM D3427	Pass
Demulsibility @54°C	Minutes	ASTM D1401	Pass

Product Nr: 43540

Date Superseded: 31-10-2022

Date Issued: 2-1-2025

Revision nr: 07





HYDRAULIC OIL

HM 68

Product Description:

HYDRAULIC OIL HM 68 is an universal mineral high grade EP oil for use in heavy duty hydraulic systems and light duty gearboxes, bearings and general lubrication. Not suitable for turbine application.

HYDRAULIC OIL HM 68 is formulated with high quality refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance:

- Excellent stability against oxidation.
- Very good protection against wear.
- Good water demulsibility.
- Very good foaming properties.
- Very effective to rust and corrosion.

HYDRAULIC OIL HM 68 exceeds the following performance criteria.:

DIN 51524-2 HLP

AFNOR NF E 48-603 HM

Eaton Vickers M-2950-S / I-286

ISO 11158 HM

Cincinnati P-69

ASTM D6158 HM

Sauer Danfoss 520L0463



Property	Unit	Test Method	Typical Value
ISO Grade		ISO 3448	68
Density@15°C	kg/m ³	ASTM D4052	882.9
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	70.0
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	8.9
Viscosity Index		ASTM D2270	101
Flash Point COC	°C	ASTM D92	>200
Pour Point	°C	ASTM D97	-30
Air Release Value @50°C	Minutes	ASTM D3427	Pass
Demulsibility @54°C	Minutes	ASTM D1401	Pass

Product Nr: 43560

Date Superseded: 31-10-2022

Date Issued: 2-1-2025

Revision nr: 04





MONO ENGINE OIL CF 30



Product Description:

MONO ENGINE OIL CF 30 is a heavy duty diesel engine oil developed to meet the requirements of a variety of diesel engines operating under severe conditions.

MONO ENGINE OIL CF 30 is suitable for use in a wide range of on- and off-highway applications where an API CF oil is recommended.

MONO ENGINE OIL CF 30 is based on high quality refined virgin base oil in combination with a special additive package to ensure the following properties:

- High thermal and oxidation stability.
- Effective in preventing from wear, corrosion and foam.
- High dispersancy and detergency properties.

MONO ENGINE OIL CF 30 meets the following performance criteria:

API SF/CF **MTU Type 2** **CCMC G2/D1** **MIL-L-46152**

Suitable for use: **API CH-4**

Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	30
Density@15°C	kg/m ³	ASTM D4052	884
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	89
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	10.4
Viscosity Index		ASTM D2270	101
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-27
Total Base Number	mgKOH/g	ASTM D2896	12.5

Product Nr: 42660
Date Superseded: 23-04-2021

Date Issued: 30-06-2023
Revision nr: 07



MOTOR OIL SF

15W-40

Product Description:

MOTOR OIL SF 15W-40 is a multi functional mineral engine oil for older gasoline-, diesel- and LGP engines of passenger car and light vans with or without turbo compressor. MOTOR OIL SF 15W-40 is not suited for engines equipped with a Diesel Particulate Filter (DPF).

MOTOR OIL SF 15W-40 is formulated with special selected base stocks in combination with unique additive package to reach the following properties:

- Stable viscosity index.
- Good protection against rust, corrosion and wear.
- Good dispersancy and detergency properties.
- Good antifoam properties.

MOTOR OIL SF 15W-40 exceeds the following performance criteria:

API SF/CD

Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	15W-40
Density@15°C	kg/m ³	ASTM D4052	865.7
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	93.7
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	13.6
Viscosity Index		ASTM D2270	146
Viscosity CCS @-20°C, max	cP	ASTM D5293	3780
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	8.5
Sulphated Ash	%Wt	ASTM D874	0.66

Product Nr: 42120

Date Superseded: 18-01-2021

Date Issued: 27-11-2024

Revision nr: 05





MOTOR OIL SYNTHETIC 10W-40

Product Description:

MOTOR OIL SYNTHETIC 10W-40 is an universal high performance fuel saving synthetic oil for use in gasoline- and diesel engines of passenger car and light vans with or without turbocharger. This product is unsuitable for diesel engines equipped with a Diesel Particulate Filter (DPF).

MOTOR OIL SYNTHETIC 10W-40 is formulated with high quality synthetic base stock in combination with a special additive technology to achieve the following performance:

- Very good low temperature properties.
- Protection to wear by cold start.
- Very high thermal- and oxidation stability.
- Excellent resistance against foaming, corrosion and wear.
- High dispersancy and detergency level.
- High viscosity index.

MOTOR OIL SYNTHETIC 10W-40 exceeds the following performance criteria:

Approved MB-Approval 229.3

Exceeds API SP ACEA A3/B4 MB 226.5
RN 0700/0710 VW 501.01/505.00



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	10W-40
Density@15°C	kg/m ³	ASTM D4052	860.1
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	90.8
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	13.8
Viscosity Index		ASTM D2270	155
Viscosity CCS @-25°C	cP	ASTM D5293	5980
Flash Point COC	°C	ASTM D92	>215
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	11.3
Sulphated Ash	%Wt	ASTM D874	1.3

Product Nr: 42340
Date Superseded: 11-08-2022

Date Issued: 29-11-2024
Revision nr: 08



MOTOR OIL SYNTHETIC LE 5W-30

Product Description:

Motor Oil Synthetic LE 5W-30 is a high performance fuel saving MID SAPS engine oil based on 100% synthetic technology for use in the latest generation gasoline and diesel engines of passenger car and light vans with or without turbocharger.

Motor Oil Synthetic LE 5W-30 is developed for use in engine which are equipped with or without an exhaust gas after treatment system.

Motor Oil Synthetic LE 5W-30 is based on high performance 100% synthetic base oil in combination with a specially selected additive technology to ensure the following properties:

- Good thermal and oxidation stability.
- MID SAPS technology.
- Good protection against wear, foam and corrosion.
- Low temperature properties, to ensure a smooth cold start.
- Equipped for diesel engines with an exhaust after treatment system.
- Fuel saving properties.
- Excellent detergency and dispersency properties.

Motor Oil Synthetic LE 5W-30 exceeds the following performance criteria.:

Approved:	MB-Approval 229.52 (Pending) OV 040 1547 – G30 (Pending)	MB-Approval 229.51 (Pending) OV 040 1547 – D30 (Pending)	BMW LL-04 (Pending)
Exceeds:	ACEA C3 MB 229.31	API SP MB 226.52	Renault RN17 DEXOS 2



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	5W-30
Density @15°C	kg/m ³	ASTM D4052	853.4
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	68.8
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	11.8
Viscosity Index		ASTM D2270	170
Viscosity CCS	cP	ASTM D5293	6310
Flash Point COC	°C	ASTM D92	>200
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	9.7
Sulphated Ash	%Wt	ASTM D874	0.8

Product Nr: 42255
Date Superseded: 27-05-2024

Date Issued: 27-11-2024
Revision nr: 02



MOTOR OIL SYNTHETIC LE 5W-40

Product Description:

Motor Oil Synthetic LE 5W-40 is a high performance fuel saving MID SAPS engine oil based on 100% synthetic technology for use in the latest generation gasoline and diesel engines of passenger car and light vans with or without turbocharger.

Motor Oil Synthetic LE 5W-40 is developed for use in engine which are equipped with or without an exhaust gas after treatment system.

Motor Oil Synthetic LE 5W-40 is based on high performance 100% synthetic base oil in combination with a specially selected additive technology to ensure the following properties:

- Good thermal and oxidation stability.
- MID SAPS technology.
- Good protection against wear, foam and corrosion.
- Low temperature properties, to ensure a smooth cold start.
- Equipped for diesel engines with an exhaust after treatment system.
- Fuel saving properties.
- Excellent detergency and dispersency properties.

Motor Oil Synthetic LE 5W-40 exceeds the following performance criteria:

Approved: MB-Approval 229.52 (Pending) MB-Approval 229.51 (Pending) BMW LL-04 (Pending)

Exceeds: ACEA C3 VW 505.00/505.01 API SP MB 229.31



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	5W-40
Density @15°C	kg/m ³	ASTM D4052	851.9
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	67.2
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	13
Viscosity Index		ASTM D2270	175.7
Viscosity CCS	cP	ASTM D5293	5150
Flash Point COC	°C	ASTM D92	>200
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	7.2
Sulphated Ash	%Wt	ASTM D874	0.8

Product Nr: 42265
Date Superseded: 27-05-2024

Date Issued: 27-11-2024
Revision nr: 3



MOTORCYCLE OIL

2T EXTRA

Product Description:

MOTORCYCLE OIL 2T EXTRA is a high quality semi-synthetic lubricant specially developed for high powered 2-stroke air and water cooled gasoline engines fitted with oil-injection or premix systems.

MOTORCYCLE OIL 2T EXTRA is based on a high quality virgin and synthetic base oils in combination with a special selected additive package to obtain the following properties:

- Outstanding protection against piston scuffing and premature wear of engine components.
- Excellent control against engine deposits, exhaust system blocking.
- Extended engine life without power loss.
- Low ash additive technology prevents pre-ignition and spark plug fouling.
- Specially selected synthetic base fluid reduces visible exhaust smoke.
- Easy miscibility with gasoline ensures stable homogeneous mixture even at low ambient temperatures.

MOTORCYCLE OIL 2T EXTRA exceeds the following performance criteria:

API TC JASO FD ISO-L-EGD TISI

Property	Unit	Test Method	Typical Value
Density@15°C	kg/m ³	ASTM D4052	863.2
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	62.6
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	9.1
Viscosity Index		ASTM D2270	123
Flash Point COC	°C	ASTM D92	>90
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	1.2
Sulphated Ash	%Wt	ASTM D78	0.14

Product Nr: 42940
Date Superseded: 24-6-2021

Date Issued: 6-1-2025
Revision nr: 05





SUPER TRACTOR OIL

10W-30

Product Description:

SUPER TRACTOR OIL 10W-30 is a high quality universal mineral based so called "Super Tractor Oil Universal" (STOU) developed for use in tractors, combines, harvesters and off the road equipment with or without turbocharger diesel engines. Super Tractor Oil Universal is also designed to lubricate the transmission, power take-off, final drive, hydraulic system and oil immersed "wet brakes". This product cannot be used in diesel engines equipped with a Diesel Particulate Filter (DPF).



SUPER TRACTOR OIL 10W-30 is formulated on high refined solvent mineral base stock in combination with an unique additive package to reach the following properties;

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- Excellent cold start properties.
- High anti-foam, anti-wear and anti-corrosion properties.
- Suitable for Wet Brakes.

SUPER TRACTOR OIL 10W-30 exceeds the following performance criteria:

Engine Spec:	API CG-4/CF-4/CE/SF	MB 227.1	ACEA E3
STOU/UTTO Spec:	JD J27, J20C	Ford M2C159B/C	MF M 1145
	FNH 82009201,2,3	Ford M2C86C	Ford M2C134A,C,D
	Case 1206,1209	MF M 1135/ 1139	MF M 1143/1144
	Caterpillar TO-2	API GL-4	Allison C-4
	CNH MAT 3525,3526	NH 030C	NH 024C
	NH 420A	NH 410B	ZF TE-ML 06A,B,C,R,07B
Hydr. Spec:	Eaton M-2950S	Eaton I-280-S	Danfoss

Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	10W-30
Density@15°C	kg/m ³	ASTM D4052	875.6
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	65.7
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	10.3
Viscosity Index		ASTM D2270	141
Viscosity CCS @-25°C	cP	ASTM D5293	6000
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-39
Total Base Number	mgKOH/g	ASTM D2896	10.7

Product Nr: 43270

Date Superseded: 16-12-2019

Date Issued: 3-1-2025

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