# AGRICULTURAL AND MACHINERY LUBRICANTS

AVANTGARDE | TRANSMISSION | VERSO | CONSTRUCT GEYSER | BIOCHAIN







#### AVANTGARDE

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# LUKOIL LUBRICANTS ENABLE RELIABLE MOBILITY FOR MILLIONS WORLDWIDE AND PROVE THEMSELVES DAILY UNDER ALL CONDITIONS.

Lubricants are some of the most important technical components of our daily life – and yet they are rarely noticed. And so it should be. After all, safety and progress can only be guaranteed by high-quality products with long service lives that invisibly keep our ever more dynamic world turning smoothly. LUKOIL Lubricants takes its responsibility as a manufacturer of first-class, reliable lubricants extremely seriously. The company's products are used across a range of industries, ensuring the smooth functioning of vehicles as well as boats and agricultural machinery.

In this way, LUKOIL helps keep today's highly complex logistics networks from grinding to a halt – which would be unthinkable in our modern ultramobile society. Nor is coming to a halt an option for the LUKOIL company. Stable growth, securing of resources and steady improvement of products and processes are essential in a highly dynamic market. LUKOIL has therefore established the goal of being at the absolute top in the most challenging segment: fully synthetic, high-performance oils for modern vehicle engines. The development of LUKOIL products for agricultural applications is an impressive and successful example of this strategy – but we are always striving for more.

Founded in 1991 by a merger of regional oil and gas transport companies in the western Siberian cities of Langepas, Uray and Kogalym (LUK), LUKOIL developed into the largest private oil group in Russia. In line with its established creed of vertical integration – in other words raw material extraction, production and development as well as sales of high-quality products all at a single company – LUKOIL always strives to offer perfect service to its customers. In recent years,







the focus here has been on the lubricants business. Through constant development work at seven refineries and production sites in Europe, including the newly added production and filling plant at the oil port of Lobau, LUKOIL Lubricants has already won over more than 300 manufacturers in the automotive industry, especially with the high-quality oils for the critical European market.

The Austrian market is also gaining in importance here. After all, it is from here that LUKOIL serves all Western European countries, not only with production and development, but also with the operation of a highly efficient distribution network. The lion's share of the value creation is therefore situated in Austria – at the heart of Europe. An important signal of stability and a long-term orientation. The decades of experience of Austrian experts in the role of a Central European hub and interface between East and West also ensure smooth functioning of all critical logistical flows. With the Danube port of Lobau and the Vienna Airport, high-capacity transport routes are a given.



### **LUKOIL AGRI**

# THE PREMIUM MOTOR OIL FROM LUKOIL IS PREPARING TO CONQUER THE EUROPEAN MARKET FROM VIENNA – WITH HIGH QUALITY AND A SUSTAINABLE BUSINESS MODEL.

Our LUKOIL products for agricultural applications were specially selected to optimally address the operational needs of your machinery. These products satisfy the highest performance requirements and protect YOUR agricultural machinery under all conditions and weather. This is why you should choose LUKOIL lubricants for the best protection of YOUR machinery.











#### **QUALITY FROM EUROPE**

In our state-of-the-art production facilities in Vienna's Lobau, in Finland as well as in Romania, lubricants are produced based on first-class raw materials using innovative technologies. Our scientific experts also work continuously to improve our products to guarantee ever greater reliability and progress.

In this way, LUKOIL can supply customers around the world – even in the most demanding segment of fully synthetic, high-performance lubricants – with reliable and individual solutions for special applications.

### IT'S A MATTER OF TRUST.

## AVANTGARDE

#### UNIVERSAL OILS FOR AGRICULTURAL AND CONSTRUCTION MACHINERY



#### **LUKOIL AVANTGARDE PROFESSIONAL XLA 10W-30**

Prod. No.: 568380	APPROVALS	SPECIFICATIONS
<ul> <li>Synthetic, low-ash Super-High-Performance-Diesel (SHPD) engine oil for modern truck engines</li> <li>Developed especially for utility vehicle engines with particle filters and/or SCR</li> <li>Extremely low exhaust gas emissions to satisfy high environmental standards and specially formulated for sulphur free Diesel fuel</li> <li>Guarantees maximum oil change intervals and provides effective all season application</li> </ul>	API CK-4 Ford M2C171-F1 Mack EOS-4.5 Renault VI RLD-3 Volvo VDS-4.5	ACEA E9 API SN Caterpillar ECF-3/ECF- 2/ECF-1-a Cummins CES 20086 Deutz DQC III-LA Detroit Diesel DFS 93K222 Global DHD-1 JASO DH-2 MAN M 3775 MB 228.31 MTU Oil Category 2.1

#### **LUKOIL AVANTGARDE PROFESSIONAL XLA 10W-40**



#### Prod. No.: 568381 **APPROVALS SPECIFICATIONS**

- Engine Oil for heavy duty engines of the newest generation
- Specially developed for trucks with particulate filter and/or SCR technology

API CK-4 Mack EOS-4.5 Renault VI RLD-3 VOLVO VDS-4.5

ACEA E9 **API** SN Caterpillar ECF-3/ECF-2/ ECF-1-a **Cummins** CES 20086 Deutz DQC III-LA **Detroit Diesel** DFS 93K222 Ford WSS-M2C171-F1 Global DHD-1 Iveco 18-1804 TLS E9 JASO DH-2 **MAN** 3775 **MB** 228.31 MTU Oil Category 2.1

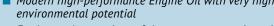
#### **LUKOIL AVANTGARDE PROFESSIONAL XLA 15W-40**



■ Modern high-performance Engine Oil with very high

Prod. No.: 568382

environmental standards



- For heavy duty engines of the newest generation with particulate filter and/or SCR technology Extremely low exhaust gas emissions to satisfy high
- Developed for diesel engines, reduces greenhouse gas emissions and lowers fuel consumption

API CK-4 **Cummins** CES 20086 Mack EOS-4.5 Renault VI RLD-4 VOLVO VDS-4.5

**APPROVALS** 

ACEA E9 **API** SN Caterpillar ECF-3/ ECF-2/ ECF-1-a Deutz DQC III-10 LA **Detroit Diesel** DFS 93K222 Ford M2C171-F1 Global DHD-1 JASO DH-2 **MAN** M 3775 MB 228 31 **MTU** Oil Category 2.1

**SPECIFICATIONS** 



#### **LUKOIL AVANTGARDE EXTRA 15W-40**



#### Prod. No.: 567915 APPROVALS SPECIFICATIONS

- High-performance diesel (HPD) multi-grade Engine Oil, ideally suited for a mixed vehicle fleet
- This oil features outstanding ageing resistance and a high cleaning capacity with respect to combustion residues and deposits
- Suitable for older petrol and diesel passenger car engines without diesel particulate filter

API SI/ CH-4
Cummins CES 20076
Deutz DQC II
Mack EO-M
MAN M 271
Renault VI RLD
VOLVO VDS-2
ZF TE-ML 03A/ 04P/ 07D

#### **LUKOIL AVANTGARDE ULTRA 15W-40**



#### Prod. No.: 568321 APPROVALS SPECIFICATIONS

- Super-high-performance diesel (SHPD) multi-grade Engine Oil for mixed vehicle fleets and extended oil change intervals. Also suitable for diesel passenger car engines without diesel particulate filter
- Ensures long oil change intervals as per manufacturer specifications

API SL/ CI-4 Cummins CES 20078 Deutz DQC III-10 MB 228.3 MTU Oil Category 2 ACEA E7
Caterpillar ECF-2/ECF-1-a
Cummins CES 20071/72/76/77
DAF
Detroit Diesel DFS 93K215
Mack EO-M Plus/EO-N
MAN M 3275-1
Renault VI RLD-2
VOLVO VDS-3
ZF TE-ML 03A/ 04P/ 07D

#### **LUKOIL AVANTGARDE ULTRA PLUS 10W-40**



 Synthetic super-high-performance (SHPD) diesel Engine Oil for mixed vehicle fleets

Prod. No.: 567820

- It is suitable for extended oil change intervals in utility vehicles and offers optimal wearing and corrosion protection as well as outstanding ageing resistance. It reduces the friction in the engine and lowers the fuel consumption
- Usable year-round, even for older petrol and diesel passenger car engines without diesel particulate filter

API SL/CI-4
Cummins CES 20078
Deutz DQC III-10
Mack EO-N
MAN M 3275-1
MB-Approval 228.3
MTU Oil Category 2
Renault VI RLD-2
VOLVO VDS-3

**APPROVALS** 

ACEA E7
Caterpillar ECF-2/ECF-1-a
Cummins CES 20076/77
Global DHD-1
Mack EO-M Plus
Renault VI RLD
ZF TE-ML 03A/05K/07D/21K

**SPECIFICATIONS** 

## **AVANTGARDE**



#### **LUKOIL AVANTGARDE SAE 10W**

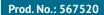


#### Prod. No.: 567510

#### **SPECIFICATIONS**

ACEA E2 API CF/ CF-2/ SF MAN 270 MB 228.0 MTU Oil Category 1 ZF TE-ML 05K/ 21K

#### LUKOIL AVANTGARDE SAE 20W-20

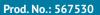


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#### **SPECIFICATIONS**

ACEA E2 API CF/ CF-2/ SF MAN 270 MB 228.0 MTU Oil Category 1 ZF TE-ML 03A/ 07D

#### **LUKOIL AVANTGARDE SAE 30**





#### APPROVALS SPECIFICATIONS

ThyssenKrupp
ACEA E2
API CF/ CF-2/ SF
MAN 270
MB 228.0
MTU Oil Category 1
ZF TE-ML 03A/ 04A/ 04B/ 07D

- LUKOIL AVANTGARDE is a mineral, single-grade Engine Oil for diverse applications.
- Suitable for various engines, such as utility vehicle engines, manual transmissions, retarders, torque converters and hydraulic systems of agricultural and construction machinery.
- Also suitable for the lubrication of air compressors.
- Usable as a detergent compressor oil.
- Suitable for use in heavy duty, charged diesel and petrol engines.





## Prod. No.: 583510

#### **LUKOIL TRANSMISSION UNI 80W-90**

# High-performance universal transmission oil for manual transmissions and axle transmissions

- High ageing-resistance and long service periods
- Protects against wear and optimises the lifespan of the transmission

MAN 341 Typ Z2 MAN 342 M2 ZF TE-ML 02B/ 05A/ 12L/ 12M/ 16B/ 17H/ 19B/ 21A (ZF002259)

APPROVALS

API GL-4/-5/MT-1 ARVIN MERITOR 076-D MAN 341 Typ E2 MB 235.0 MIL-PRF-2105E SAE J2360 Scania STO 1:0 ZF TE-ML 07A/08/16C/19C

**SPECIFICATIONS** 

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#### **LUKOIL TRANSMISSION MP 80W-85**



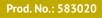
# Prod. No.: 583010 APPROVALS SPECIFICATIONS MB-Approval 235.1 API GL-4 ZF TE-ML 08/ 16A/ 17A/ 19A

# high pressure absorption capacity, primarily for manual transmissions

Mineral transmission oil with

- Top manual transmission oil with good ageing stability and very high load-bearing capacity
- Ensures an extremely long transmission lifespan thanks to optimal wearing and corrosion protection additives
- Low pour point, low viscosity temperature dependence

#### **LUKOIL TRANSMISSION MP 85W-90**



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APPROVALS	SPECIFICATIONS
<b>MB-Approval</b> 235.1	<b>API</b> GL-4
<b>ZF</b> TE-ML 16A/ 17A/ 19A	<b>MIL</b> -L-2105
(ZF003413)	<b>ZF</b> TE-ML 08

#### **LUKOIL TRANSMISSION B 80W-90**



#### SPECIFICATIONS

Prod. No.: 583220

API GL-5
MAN 342 Typ M1
MB 235.0
MIL-L-2105D
VOITH 3.325-339
VOLVO 97310
ZF TE-ML 07A/ 08/ 16B/ 17B/ 19B/ 21A

- The mineral axle transmission oil is used primarily in utility vehicles for standard oil change intervals with maximum load-bearing capacity
- Axle transmission oil with good ageing stability
- Offers optimal wearing and corrosion protection, ensures a long transmission lifespan
- The transmission oil stands up to the hardest loads and is suitable for hypoid transmissions with extreme axial offset in vehicles and machinery



### WHICH ENGINE OIL DO I NEED?

Further information on our products and support in the selection of lubricants for various applications can be found in the LUKOIL lubricant advisor at www.lukoil-lubricants.eu. Our team will be happy to support you with technical questions and concerns at www.lukhelp.com.

#### **LUKOIL TRANSMISSION LS 80W-90**



Prod. No.: 582515				
APPROVALS	SPECIFICATIONS			
<b>ZF</b> TE-ML 05C/12C/21C (ZF003406)	<b>API</b> GL-5 <b>ZF</b> TE-ML 16E			

- Used for differentials with limited slip and heavily loaded axle transmissions, utility vehicles, tractors and construction machinery
- Universal transmission oil with extremely stable viscosity for heavy loads in axle transmissions as per the manufacturer specifications
- Features state-of-the-art antiwear additives and a reliably constant coefficient of friction

#### **LUKOIL TRANSMISSION LS 85W-90**



 APPROVALS
 SPECIFICATIONS

 ZF TE-ML 05C/12C/21C (ZF003494)
 API GL-5 ZF TE-ML 07A/ 08/ 16E

#### **LUKOIL ATF**



Prod. No.: 583315	APPROVALS	SPECIFICATIONS
<ul> <li>The universal, partly synthetic automatic transmission oil was developed for both cars and trucks</li> <li>Excellent viscosity and temperature behaviour</li> <li>Excellent ageing and foaming behaviour, very good flow properties at low temperatures and reliable protection against wear and corrosion</li> <li>Used as a power transmission medium in automatic transmissions of cars, buses and all-terrain vehicles</li> </ul>	MAN 339 L1/V1/Z1 VOITH H55.6335.XX ZF TE-ML 04D/14A (ZF001146)	Allison C-4 Caterpillar TO-2 GM DEXRON® II-D/ III-G MAN 339 Typ D/ F MB 236.1 RBAS TE-ML 09 VOLVO 97340/ 97341 ZF TE-ML 11A/ 11B/ 17C









#### UNIVERSAL OILS FOR AGRICULTURAL AND CONSTRUCTION MACHINERY

#### **LUKOIL VERSO MOTOR 10W-40**



#### Prod. No.: 568240

#### **APPROVALS**

#### SPECIFICATIONS

**ZF** TE-ML 06B/ 06F/ 07B (ZF001753)

ACEA E2 Allison C-4 API CG-4/ SF/ GL-4 Caterpillar TO-2 Ford M2C 159B/ C John Deere J27 Massey Ferguson M1139/ M1144/ M1145 MB 227.1/ 228.1 ZF TE-ML 06A/ 06C/ 06Q/ 06R

- High-quality super tractor universal oil (STOU) for yearround use in engines, hydraulic systems and transmissions with wet brakes in agricultural equipment and construction machinery
- Outstanding ageing-resistance
- High cleaning capacity with respect to combustion residues and deposits

#### **LUKOIL VERSO MOTOR 15W-30**



#### Prod. No.: 568225

#### **SPECIFICATIONS**

ACEA E2
Allison C-4
API CG-4/SF/GL-4
Case NEW HOLLAND CNH MAT3525
Case Steyr NEW HOLLAND CVX/CVT/TVT
Caterpillar TO-2
DEUTZ-FAHR
FENDT
Ford M2C 159-B/259-C
John Deere JDM J27
LINDNER Geotrac Serie 4
MB 228.1
Massey Ferguson M1139/M1144/M1145
MIL-L-2104D

#### **LUKOIL VERSO MOTOR 15W-40**



#### Prod. No.: 568230

NEW HOLLAND 324G STEYR 9000 VALTRA ZF S-MATIC

#### **SPECIFICATIONS**

ACEA E2 Allison C-4 API CG-4/SF/GL-4 Caterpillar TO-2 Ford M2C 159-B John Deere JDM J27 Massey Ferguson M1144/CMS M1145 MB 228.1 MIL-L-2104D ZF TE-ML 06B/06F/07B

#### **NEW** LUKOIL VERSO PLUS 3540

Prod. No.: 583430





- Is a semi-synthetic high-performance UTTO (Universaltractor-transmission-oil)
- Designed to meet or exceed the latest CVT requirements of leading OEMs
- Ideal for the application under adverse conditions
- Meets the stringent requirements for Case New Holland MAT 3540 specification, which are also used in Steyr
- Friction-optimized additives ensure maximum performance and best possible brake noise suppression

Allison C-4 API GL-4

CASE MS 1205\*, 1206\*, 1207\*
CASE MS 1209\* (superseded by CNH MAT 3505)
CASE MS 1210\* (superseded by CNH MAT 3506)

**CASE** MS 1230

CATERPILLAR TO-2

**CNH** MAT 3505, 3506

**CNH** MAT 3509\* (superseded by CASE MS 1230) **CNH** MAT 3525, 3540

**EATON VICKERS** 1-286-S, M-2950-S

Ford ESN-M2C134-A, -B, -C, -D

Ford ESN-M2C86-C

Ford FNHA-2-C-201.00

**JOHN DEERE** JDM J20C

Kubota UDT

Landini MACROS/C

MASSEY FERGUSON CMS M1135, 1141 MASSEY FERGUSON CMS M1143\* (superseded by

CMS M1145)

**MASSEY FERGUSON** CMS M1145

MIL-L-2105

NH 410B\* (superseded by CNH MAT 3525) Valtra G2-08

**Volvo** 97303 VCE WB101

**ZF TE-ML** 03E, 05F, 06K, 06L, 17E, 21F





### **VERSO**

#### UNIVERSAL OILS FOR AGRICULTURAL AND CONSTRUCTION MACHINERY

#### NEW LUKOIL VERSO PLUS



Prod. No.: 583429 APPROVALS SPECIFICATIONS

- Is a high-performance UTTO (universal-tractortransmission-oil) that was developed for extended drain intervals
- Developed for use in transmissions (CVT), wet brakes, hydraulic systems and auxiliary drives in the most modern tractors, forestry and construction machines
- Ideal for the application under adverse conditions
- Reduces storage costs due to the coverage of many manufacturer specifications and is therefore also ideally suited for older model generations

**ZF** TE-ML 03E, 05F, 17E, 21F (ZF002295)

Allison C-4 API GL-4 **CASE** MS 1204\* CASE MS 1209\* (superseded by CNH MAT 3505) CATERPILLAR TO-2 **CNH** MAT 3505, 3525 **EATON VICKERS** 1-286-S, M-2950-S Ford ESN-M2C134-A, -B, -C, -D Ford ESN-M2C86-C Ford New Holland FNHA-2-C-201.00 JOHN DEERE JDM J20C Kubota UDT Landini MACROS/C **MASSEY FERGUSON** CMS M1141 **MASSEY FERGUSON** CMS M1143\* (superseded by CMS M1145)

MASSEY FERGUSON CMS M1145 MIL-L-2105 NH 4108\* (superseded by CNH MAT

obsolet

3525) Valtra G2-08

Volvo 97303 VCE WB101

White Farm\* **ZF** TE-ML 06K, 06L

NEW LUKOIL VERSO 10W-30
Prod. No.: 583460



■ Is an UTTO (Universal-tractor-transmission-oil) which

- was developed for standard drain intervals
   Good response behavior of hydraulics and transmissions, especially in the starting phase
- Friction-optimized additives ensure ideal performance and good brake noise suppression
- Well suited for older models. Reduce fleet costs through the optimized price-performance ratio

SPECIFICATIONS

Allison C-4 API GL-4

**CASE** MS 1204\*

CASE MS 1206\* (superseded by CASE MS 1207)

CASE MS 1207\* (superseded by CASE MS 1209)

CASE MS 1209\* (superseded by CASE MS 3505)

CATERPILLAR TO-2

**CNH** MAT 3505, 3525

**EATON VICKERS** 1-286-S, M-2950-S

Ford ESN-M2C134-A, -B, -C, -D

Ford ESN-M2C86-C

Ford New Holland FNHA-2-C-201.00

**JOHN DEERE** JDM J20C

**MASSEY FERGUSON** CMS M1127A, B

MASSEY FERGUSON CMS M1143\* (superseded by

CMS M1145)

**MASSEY FERGUSON** CMS M1145

MIL-L-2105

NH 410B\* (superseded by CNH MAT 3525)

**NH** 420A

**Volvo** 97303 VCE WB101

#### **LUKOIL VERSO STE**

Prod. No.: 583440



 Specially developed universal oil for hydraulics and wet brakes for KALMAR forklifts

Prevents stick-slip

■ Viscosity class ISO-VG 46 or SAE 20

**SPECIFICATIONS** 

API GL-4

# CONSTRUCT

#### SPECIAL OIL FOR CONSTRUCTION MACHINERY



#### **LUKOIL CONSTRUCT TO-4 SAE 10W**

Prod. No.: 583540

#### **SPECIFICATIONS**

ALLISON C-4 API CF/ CF-2/ GL-4 Caterpillar TO-4 KOMATSU-DRESSER ZF TE-ML 03C

passes the Eaton Vickers 35VQ25 vane pump test

LUKOIL CONSTRUCT TO-4 are special oils for construction machinery for use in engines, powershift transmissions, manual transmissions, lateral drives, drive axles, cable winches, hydraulic systems and hydrostatic travel drives as per manufacturer specification; specially for CAT TO-4 and many other construction machines



#### **LUKOIL CONSTRUCT TO-4 SAE 30**

Prod. No.: 583550

#### **SPECIFICATIONS**

ALLISON C-4 API CF/ CF-2/ GL-4 Caterpillar TO-4 KOMATSU-DRESSER ZF TE-ML 03A/ 03C/ 04A/ 07D/ 07F



#### **LUKOIL CONSTRUCT TO-4 SAE 50**

Prod. No.: 583555

#### **SPECIFICATIONS**

ALLISON C-4 API CF/ CF-2/ GL-4 Caterpillar TO-4 KOMATSU-DRESSER

**PACKAGING INFORMATION** 

PACKAGING	TARE BOX (KG)	TARA CONTAINER (KG)	WIDTH (MM)	НÖНЕ (ММ)	LENGTH (MM)	DIA- METER (MM)	UNITS PER PALLET	PALLET SIZE (CM)	UNITS PER SALE UNIT
1 LITRE BOTTLE	0,35	0,08	260	240	380	_	432	120 x 80	12
5 LITRE BOTTLE	0,32	0,3	260	330	380	_	81	120 x 80	3
20 LITRE CANISTER	_	1,0	260	362	300	_	36	120 x 80	_
DRUM 60 LITRES	-	4,0	_	586	-	384	6	120 x 80	_
DRUM 205 LITRES	-	14,5	-	878	-	585	4	120 x 120	-
IBC CONTAINER 1000 LITRES	-	60	1000	1200	1200	-	-	_	-



#### HYDRAULIC OILS FOR UTILITY VEHICLES

#### **NEW** LUKOIL GEYSER MD ZF 46

# Control of the contro

#### Prod. No.: 572792

#### **SPECIFICATIONS**

- High-class detergent multi-grade hydraulic oil with zinc-free high-pressure additives to increase performance
- It is ideally suited for use in various stationary or mobile hydraulic systems that are exposed to a wide temperature range or where water ingress is to be expected
- Excellent wear protection even in mixed friction areas
- Very good thermal and oxidative stability

DIN 51502-HLP-D DIN 51502-HVLP DIN 51502-HVLPD DIN 51517-3 CLP DIN 51524-3 HVLP ISO 6743/4-L-HV

#### **LUKOIL GEYSER M 32**



#### Prod. No.: 572630

#### **SPECIFICATIONS**

AIST 126/127 ASTM D6158-HV Bosch Rexroth RD 90220/ RDE 90235

**DIN** 51524-3 HVLP

**Eaton Brochure** 03-401-2010 **Eaton Vickers** E-FDGN-TB002-E **GB** 11118.1-2011

GM LS-2

ISO 11158-HV/ 6743-4 HV

JCMAS PO41 HK PALFINGER

PARKER DENISON

HF-0/-1/-2

SAE MS 1004-HV Failure load stage DIN ISO

14635-1 A/8,3/90-M:>10

SEB 181222

**VDMA** 24318 - HVLP

#### **LUKOIL GEYSER M 68**

**LUKOIL GEYSER M 46** 

Prod. No.: 572640

**SPECIFICATIONS** 

**US Steel** 126/127

ZF TE-ML 07H

JCMAS HK



Prod. No.: 572680

SPECIFICATIONS

JCMAS HK US Steel 126/127

**US Steel** 126/12 **ZF** TE-ML 07H

#### SPEZFIKATIONEN PRO PROD:.

*572630*:

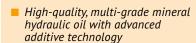
Cincinnati P68

*572640:* 

Cincinnati P69

572680:

Cincinnati P70



- Used in hydraulic drives that are subject to large fluctuations in ambient temperature
- The balanced formulation offers optimal wearing and corrosion protection, rapid air release capacity and low foaming tendency





#### **LUKOIL GEYSER ST 22**

Prod. No.: 572520

#### **APPROVALS**

ALTA (ISO VG 46)

ANDREAS HOFER (ISO VG 68)

ARBURG (ISO VG 46)

AUTOMA (ISO VG 46)

AVERMANN (ISO VG 46)

BATTENFELD (ISO VG 46)

BOSCH REXROTH RD 90220, RDE 90235/ Fluid Rating List RDE 90245

(ISO VG 32, 46, 68)

**DANIELI** (ISO VG 10, 32, 100)

**DANIELI** 0.000.001 (ISO VG 22, 46, 68) DRESSTA (ISO VG 32, 46, 68, 100)

**DUPLOMATIC** (ISO VG 32, 46, 68, 100)

**EATON VICKERS** E-FDGN-TB002-E

(ISO VG 32, 46, 68)

EICKHOFF (ISO VG 46, 68, 100)

ENGEL (ISO VG 46)

FELUWA Pumpen (ISO VG 46, 68)

FERRIT (ISO VG 46)

FLSmidth MAAG (ISO VG 46, 68)

FURUKAWA UNIC (ISO VG 32)

**GMS GROUP** 

(ISO VG 10, 32, 46, 68, 100)

HAITIAN (ISO VG 46)

HUSKY HS 207 (ISO VG 46) HYDAC International (ISO VG 46)

JOY MINING MACHINERY

(ISO VG 32, 46, 68, 100)

KOPEX Machinery (ISO VG 46, 68) KOPPERN (ISO VG 32)

KRAUSS MAFFEI BERSTORFF

(ISO VG 46, 68)

**KVANTA** 

LAEIS (ISO VG 46)

**LOESCHE** (ISO VG 46, 68)

METSO (ISO VG 32, 46, 68, 100)

**NASOSY** PPD

(ISO VG 10, 32, 46, 68, 100)

PARKER DENISON HF-0, HF-1, HF-2

(ISO VG 32, 46, 68)

PRIMETALS TECHNOLOGIES (ISO VG 32, 46, 68, 100)

**SACMI** (ISO VG 32, 46, 68, 100)

**SANY** Heavy Industry

(ISO VG 32, 46, 68, 100)

**SCHULER** (ISO VG 32, 46, 68, 100)

SMS group SN 180-2

(ISO VG 22, 32, 46, 68)

SMS SIEMAG (ISO VG 46)

SMT SCHARF (ISO VG 32, 46)

**SULZER** Pumps

SUMITOMO SHI DEMAG (ISO VG 46)

thyssenkrupp Industrial Solutions

(ISO VG 32, 46, 68)

TMT

TURBONASOS (ISO VG 68)

**UNILOY MILACRON** (ISO VG 46)

Voith (ISO VG 22, 32, 46)

Voith Turbo (ISO VG 32, 46) WAFIOS (ISO VG 46)

#### **SPECIFICATIONS**

**DIN** 51524-2 (HLP) ISO 6743-4 (HM)

ISO 11158 (HM)

**SAE** MS 1004

**AFNOR** NF E 48603 (HM) (ISO VG 22)

AIST 126, 127

**ASTM** D 6158 (HM)

**ASTM** BS 6580 (ISO VG 22)

AGMA 9005-E02 (EP)

(ISO VG 32, 68, 100) VDMA 24318 (HLP)

**BOSCH REXROTH** RD 90220

(ISO VG 100)

CMC-Texpan (ISO VG 46)

**CINCINNATI** Machine/ MILACRON/ MAG (FIVES) P68, P69, P70, P76

(ISO VG 32, 46, 68, 100)

**DIEFFENBACHER** (ISO VG 46)

**EATON** Brochure 03-401-2010

(replace Vickers I-286-S & M-2950-S)

**EATON VICKERS** E-FDGN-TB002-E

(ISO VG 10, 22, 100)

EATON VICKERS 1-286-S

(ISO VG 32, 46, 68, 100)

**EATON VICKERS** M-2950-S

(ISO VG 32, 68, 100)

GB 11118.1-2011

GM LS-2

GMS GROUP (ISO VG 22)

JCMAS HK (ISO VG 32, 46)

JCMAS PO41 HK

KOPEX Machinery (ISO VG 32)

NASOSY PPD (ISO VG 22)

PAI FINGER

PARKER DENISO HF-0, HF-1, HF-2

(ISO VG 10, 22, 100)

SEB 181222

STORK IMM (ISO VG 46)

TMT (ISO VG 22)

**ZF-TE** ML 07H (ISO VG 46, 68, 100)



#### **LUKOIL GEYSER ST 46**

**LUKOIL GEYSER ST 32** 

Prod. No.: 572530

Prod. No.: 572540

**LUKOIL GEYSER ST 68** Prod. No.: 572550

#### **PROPERTIES**

- High-quality mineral hydraulic oil with advanced additive technology
- Excellently suited for use in hydraulic drives, lifting systems and presses
- Optimal wearing and corrosion protection, rapid air release capacity



#### HYDRAULIC OILS FOR UTILITY VEHICLES

#### **LUKOIL GEYSER ZF 46**

advanced additive technology.

Prod. No.: 572546



High-auglity, zinc-fr	ee mineral	hvdraulic oi	l with

- For use in hydraulic systems for which "ash-free" hydraulic oils are specified as well as in screw compressors.
- Optimal wearing and corrosion protection, rapid air release capacity and low foaming tendency.

ALTA
Automa
Bosch Rexroth
RD 90220
Danieli 0.000.001
Kraus Maffei
PARKER DENISON
HF-0/-1/-2
Schuler
Siemens
SMS group SN 180-2
Sulzer Pumps

WOOJIN PLAIMM

ASTM D6158 HM DIN 51524-2 (HLP) Eaton Vickers E-FDGN-TB002-E Eaton Vickers M-2950-S GM LS-2 ISO 20763 ISO 6743-4 HM SAE MS 1004 Failure load stage DIN ISO 14635-1 A/8,3/90-M:>10

**SPECIFICATIONS** 

#### **LUKOIL GEYSER BIO S 32**



Proa.	NO.:	3/209	2

APPROVALS	SPECIFICATIONS
	DIN ISO 15380 - HEES ON C 1158: >90% ON C 2027 - HEES PALFINGER Thyssenkrupp VDMA 24568 - HEES

- High-quality, zinc-free, rapidly biodegrading hydraulic oil based on saturated, synthetic esters and advanced additive technology
- Excellently suited for year-round use in heavy duty hydraulic systems for construction, agricultural and forestry machinery, mobile equipment and water treatment plants
- The balanced, low-ash formulation is the basis for maximum oil change intervals and offers optimal wearing and corrosion protection, good air release capacity and low foaming tendency along with the lowest possible environmental impact

#### **LUKOIL GEYSER BIO S 46**



Prod. No.: 572693

DIN ISO 15380 - HEES ON C 1158: >90 % ON C 2027 - HEES PALFINGER VDMA 24568 - HEES

#### **LUKOIL BIOSEGAROL E 100**



- Prod. No.: 580481 SPECIFICATIONS
- Rapidly biodegrading, environmentally friendly chainsaw oil based on high-quality rapeseed oil
- Reliable wearing and corrosion protection as well as good clinging capacity
- Clings even under cold and damp conditions
- Optimal lubrication of the chain links

**ON** C 2030 Biodegradable after 21 days as

per ON C 1158: > 90 %





#### **HEAVY**

Prod. No.: 580431

Prod. No.: 580432

Prod. No.: 580433



- Biologically degradable open-system lubrication oils based on rapeseed oil
- Good clinging capacity, reliable friction reduction, good wearing protection, economical consumption
- Ideally suited for use in open lubrication systems in the wood processing and saw industry
- Good low temperature behaviour

#### **LUKOIL LUBRICANTS EUROPE GmbH**

1220 Vienna, Uferstrasse 8 www.lukoil-lubricants.eu Version: 4.0, September 2022

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