

"Lubricants Balkans d.o.o."
 Владимира Поповића 38-40
 11000 Београд, Србија
 Lubricants Balkans Ltd.
 38-40 Vladimira Popovica str.
 Belgrade, 11000, Serbia



**LUBRICANTS
 BALKANS**

**Уверење о квалитету
 Certificate of Analysis**

Шифра производа/Product code:
 18152/02

Датум/Date: 08.12.2022

Назив производа/Product name:

G-ENERGY PREMIUM C3 5W-40

Шаржа/Batch: 22198-2637

Ниво квалитета/Quality level: API SN; ACEA C3-16, MB 229.51; VW 505.00/505.01; Porsche A40; BMW Long Life 04; GM dexos 2; Fiat 9.55535-S2; Ford WSS-M2C-917-A

Карактеристика, јединица мере Characteristic, unit	Методе Methods	Резултати Results	Границе Limits
Изглед Appearance	VDM 12	Бистра вискозна течност Clear viscous liquid	Бистра вискозна течност Clear viscous liquid
Густина, 15°C, kg/m ³ Density at 15°C, kg/m ³	ASTM D 4052	860,1	Наводи се Read
Кинематска вискозност на 40°C, mm ² /s Kinematic Viscosity at 40°C, mm ² /s	SRPS ISO 3104	88,36	Очитана Read
Кинематска вискозност на 100°C, mm ² /s Kinematic Viscosity at 100°C, mm ² /s	SRPS ISO 3104	14,39	13,5-15,0
Индекс вискозности Viscosity Index (IV)	SRPS ISO 2909	169	≥ 150
Испарљивост по Ноаку (1h, 250°C), m/m % Volatility Loss by Noack (1h, 250°C), m/m %	ASTM D 5800	8,3	≤ 10,0
Вискозност CCV (-30 °C), mPas Viscosity CCV (-30 °C), mPas	ASTM D 5293	6174	≤ 6600
Тачка паљења, COC, °C Flash Point, COC, °C	SRPS EN ISO 2592	230	≥ 215
Тачка течења, °C Pour Point, °C	SRPS ISO 3016	<-42	≤ -36
Садржај воде и талога, v/v % Water and sediment Content, v/v %	SRPS ISO 3734	<0,05	≤ 0,05
Сулфатни пепео, m/m % Sulphur ash, m/m %	SRPS ISO 3987	0,80	≤ 0,8
Склоност ка пенушању/стабилност пене, ml/ml Foaming tendency/stability, ml/ml	SRPS ISO 6247		
- Секвенца I на 24°C - I Sequence at 24°C		0/0	Max 10/0
- Секвенца II на 93.5°C - II Sequence at 93.5°C		0/0	Max 20/0
- Секвенца III на 24°C - III Sequence at 24°C		0/0	Max 10/0
TBN, mgKOH/g TBN, mgKOH/g	SRPS ISO 3771	7,2	≥ 7





G-ENERGY PREMIUM C3 5W-40

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

Based on available data, the classification criteria are not met. Acute toxicity of substances contained in the mixture are given in the table below.

Index No CAS No EC No	Name	Acute toxicity
649-467-00-8 64742-54-7 265-157-1	Distillates (petroleum), hydrotreated heavy paraffinic	LD50 > 5000 mg/kg bw (rat, oral, OECD 401) LC50/4h > 5.53 mg/l (rat, by inhalation, OECD 403) LD50 > 5000 mg/kg bw (rabbit, dermal, OECD 402)
- 128-39-2 204-884-0	2,6-di-tert-butylphenol	LD50 5000 mg/kg bw (rat, oral) LD50 5000 mg/kg bw (rat, dermal)
- 128-37-0 204-881-4	2,6-di-tert-butyl-p-cresol	LD50 5000 mg/kg bw (rat, oral) LD50 2000 mg/kg bw (rat, dermal)
607-096-00-9 108-31-6 203-571-6	Maleic anhydride	LD50 1090 mg/kg bw (rat, oral) LD50 2620 mg/kg bw (rabbit, dermal)

Repeated dose toxicity:

Index No CAS No EC No	Name	Repeated dose toxicity
649-467-00-8 64742-54-7 265-157-1	Distillates (petroleum), hydrotreated heavy paraffinic	LOAEL 125 mg/kg bw/day (rat, oral, subchronic, systemic effect) LOAEL 100 mg/kg bw/day (mouse, dermal, subchronic, systemic effect) NOAEC 980 mg/m ³ (rat, by inhalation, subacute, systemic effect)
- 128-39-2 204-884-0	2,6-di-tert-butylphenol	NOAEL 270 mg/kg bw/day (rat, oral, subchronic, systemic effect)
- 128-37-0 204-881-4	2,6-di-tert-butyl-p-cresol	NOAEL 25 mg/kg bw/day (rat, oral, chronic, systemic effect)
604-092-00-9 121158-58-5 310-154-3	Phenol, dodecyl-, branched	LOAEL 60 mg/kg bw/day (rat, oral, subacute, systemic effect)
607-096-00-9 108-31-6 203-571-6	Maleic anhydride	NOAEL 60 mg/kg bw/day (dog, oral, subchronic, systemic effect) NOAEC 3.3 mg/m ³ bw/day (dog, by inhalation, subchronic, systemic effect)





Certificate of analysis

Certificate no.: 4055
Product: **MotoROil M-8B**
Date of issue: 31.01.2024

Batch no.:
Date of manufacture: 31.01.2024

Typical Characteristics

Name	Test method	Value
Appearance	VL-TA-P-051	Clear and Bright
Density @15°C, g/cm ³	ASTM D4052	0.8847
Kinematic viscosity @40°C, mm ² /s ⁻¹	ASTM D445	64.54
Kinematic viscosity @100°C, mm ² /s ⁻¹	ASTM D445	8.72
Viscosity index	ASTM D2270	107
Flash Point °C	ASTM D92	225
Pour Point °C	ASTM D97	-30
Color	ASTM D1500	2.5
TBN mg KOH/g	ASTM D2896	5.5

Head of laboratory



Vipoil Kinematic Pro 10W-40 SL/CF

Engine Oil

DESCRIERE

Vipoil Kinematic Pro 10W-40 SL/CF este un ulei de motor multigrad, formulat din uleiuri de baza semi sintetice si un pachet de aditivi performant care ofera o protectie superioara impotriva uzurii, protejeaza impotriva coroziunii, asigura performante optime in conditii diferite de exploatare, curata si disperseaza eficient depunerile si asigura nivelul de performanta API SL/CF.

SPECIFICATII

SAE 10W-40
API SL/CF

APLICATII

Este recomandata utilizarea la vehiculele echipate cu motoare pe benzina sau diesel, ale autoturismelor, autovehiculelor comerciale, autoutilitelor cu turbocompresor si convertor catalitic dar si la alte utilaje ale caror motoare solicita clasa de vascozitate SAE 10W-40.

BENEFICII

- Stabilitate foarte buna impotriva oxidarii
- Stabilitate foarte buna impotriva depunerilor
- Durata de exploatare extinsa (LongLife)
- Pornire usoara la temperature scazute

PROPRIETATI TIPICE

Caracteristici	Metoda de test	Valori
Densitate la 15°C, g/cm ³ , max.	ASTM D4052	0.875
Viscozitate cinematica la +40°C, mm ² /s ⁻¹ .	ASTM D445	100.0
Viscozitate cinematica la +100°C, mm ² /s ⁻¹ .	ASTM D445	14.5
Indice de viscozitate, min.	ASTM D2270	150
Punct de inflamabilitate °C, min.	ASTM D92	220
Punct de curgere °C, min.	ASTM D97	-42
Cifra de bazicitate TBN, mg KOH/g.	ASTM D2896	7.3

* These values are informative. Variations of these characteristics may occur.

This lubricant does not present a particular danger if it is used according to our recommendations and according to the purpose for which it was produced. The security sheet according to the European legislation in force can be obtained on request.





Certificate of Conformity

No. 734 / 04.09.2024

This is to confirm "HEXOL SYNLINER SUPERTRUCK 10W40"

Has been formulated with accordance to the specification: ACEA E7, ACEA A3/B4, API Service CI4/SL, VOLVO VDS-3, RENAULT RLD2, RLD, MAN 3275-1, MAN 3277, MB 228.3, MACK EO- M plus, CAT ECF-1/2, AVIA DDC 93K215, MIL-L-2104E, JOHN DEERE 6020, 6120, 6220, 6320, 6420, 6420S, Cummins CES 20077/20078, TEDOM 258-3, Tatra TDS 30/16, Global DHD-1, DEUTZ DQC III-10, ZETOR
And manufactured by SC Hexol Lube SRL

Batch Number: 1/04.09.2024

Quantity: 8 x 208 Litre Barrels

Total Litres: 1664 Litres

Test Results and Characteristics

Characteristics	Unit	Specification	Measured value	Method
Appearance		bright, clear	bright, clear	Visual
Kinematic viscosity at 40 °C	mm ² /s	90 - 100	80.89	ASTM D 445
Kinematic viscosity at 100 °C	mm ² /s	12.5 - 16.3	12.67	ASTM D 445
Viscosity index		min. 150	156	STAS 55-81
Density at 20 °C	g/cm ³	max. 0,8768	0.860	STAS 35-81

We declare that the product specified above are accordind with the specifications.

Do not modify or alterate this certificate.

Issued to
CALBOR GRUP SRL
CHISINAU
REPUBLICA MOLDOVA

Quality and Environmental Compliance Manager

Ing. Ilinca Rotaru



FUCHS LUBRICANTS GERMANY GmbH
P.O. Box 10 11 62 • 68145 Mannheim/Germany

FUCHS LUBRICANTS ROMANIA SRL
c/o DB SCHENKER Warehouse
KM 23 ON A1 HIGHWAY
Ana Bosnagiu
PARCEL A 230/2, CF No. 162/N
087150 JOITA / GIURGIU
Rumänien

Certificate of Analysis
Date of print: **21.06.2024**

QC-Laboratory Mannheim
Phone No +49 621 3701-1685
eMail peter.elleser@fuchs.com

Your reference	: PO FLRO 800213	Material No.	: 602007551
Order No.	: 103241212/130	Batch	: 103488607
Delivery No.	: 224248204/190	Quantity	: 20 K03
Customer No.	: 40000916	Dispatch conditions	: Self Pick up
Conditions of delivery	: Mannheim	ID	: 24047362
Kd. Mat. Nr.	:		

TITAN SUPERSYN FE 0W-30 N 5L PLA

Property	Method	Unit	Result	Range
Spec. Gravity 15°C	DIN 51757	g/ml	0,8454	
Colour mod	DIN ISO 2049		2,5	
Viscosity Ubbelohde 100°C	DIN 51562-1	mm²/s	10,293	
Viscosity Ubbelohde 40°C	DIN 51562-1	mm²/s	55,388	
Viscosity index	DIN ISO 2909		177	

Confirmation is hereby given that the delivered goods conform to the agreements made on acceptance of the order.
Any unauthorized alteration, forgery or duplication of the content is not allowed and unlawful.
It does not release our customers from their obligation to check the goods on receipt and gives no grounds for claims by third parties to whom the goods are forwarded. It does not involve a warranty of specific characteristics as defined by law.

Person in charge of analytic data: Mr. P. Elleser, laboratory manager Mannheim

**21.06.2024 FUCHS LUBRICANTS GERMANY GMBH
QC-Laboratory Mannheim**

The data reported on this Document have been electronically validated.



HQ and commercial register:
Mannheim HRB 9154
USt-IdNr. DE813331100
Managing directors:
Stefan Knapp (CEO),
Lucas Haaß, Susanne Heirich,
Jörg Vogel, Kay-Peter Wagner
Chairman of the supervisory board:
Dr. Ralph Rheinboldt

Deutsche Bank AG, Mannheim
IBAN: DE06 6707 0010 0018 6171 00
BIC: DEUTDE33XXX

Commerzbank AG, Mannheim
IBAN: DE31 6708 0050 0657 9590 00
BIC: DRESDEFF670

FUCHS LUBRICANTS GERMANY GmbH
Friesenheimer Straße 19
68169 Mannheim/Germany
Phone +49 621 3701-0
Fax +49 621 3701-7000
zentrale-flg@fuchs.com
www.fuchs.com/de/en

Certifications:
ISO 9001, IATF 16949, ISO 14001,
ISO 45001, ISO 50001



Certificate of analysis

Certificate no.: 4286-1
Product: **MotoROil M10-G2k**
Date of issue: 26.03.2024

Batch no.: 55
Date of manufacture: 26.03.2024

Typical Characteristics

Name	Test method	Value
Appearance	VL-TA-P-051	Clear and Bright
Density @15°C, g/cm ³	ASTM D4052	0.8913
Kinematic viscosity @40°C, mm ² /s ⁻¹	ASTM D445	113.67
Kinematic viscosity @100°C, mm ² /s ⁻¹	ASTM D445	12.04
Viscosity index	ASTM D2270	95
Flash Point °C	ASTM D92	235
Pour Point °C	ASTM D97	-18
Color	ASTM D1500	L2.5
TBN mg KOH/g	ASTM D2896	6.0

Head of laboratory





TITAN Supersyn F Eco-DT SAE 5W-30

Ultra High Performance, extreme fuel-economy engine oil especially suitable for Ford DuraTorq-Diesel engines. Optimum cold starting and lower oil consumption.

Description

TITAN Supersyn F Eco-DT SAE 5W-30 is a highly energy conserving multigrade passenger car engine oil suitable for Ford diesel and gasoline engines. The most up to date technology of TITAN Supersyn F Eco-DT SAE 5W-30 is absolutely beneficial for current engine technology. TITAN Supersyn F Eco-DT SAE 5W-30 provides advantages in economy, durability and exhaust gas emissions. TITAN Supersyn F Eco-DT SAE 5W-30 afford excellent durability for long life performance, wear protection and cold temperature performance.

Application

TITAN Supersyn F Eco-DT SAE 5W-30 is developed for use in Ford diesel vehicles and recommended additionally for use in gasoline passenger cars. Further TITAN Supersyn F Eco-DT SAE 5W-30 can be used for other Manufacturers according ACEA specification and manufacturer recommendation.

TITAN Supersyn F Eco-DT SAE 5W-30 shall be used for gasoline engines with and without turbo charger as well as indirect and direct injection. It is miscible and compatible with conventional branded engine oils. However, mixing with other engine oils should be avoided in order to fully utilize the product's benefits. A complete oil change is recommended when converting to TITAN Supersyn F Eco-DT SAE 5W-30. For information on product safety and proper disposal please refer to the latest Material Safety Data Sheet.

Advantages/Benefits

- High thermal and oxidative stability
- Sludge protection
- Sustainable fuel economy
- Very good cold start behaviour
- Excellent wear protection
- Recommended for Ford diesel passenger cars

Specifications

- ACEA A5/B5
- API SL
- FORD WSS-M2C913-C
- FORD WSS-M2C913-D



Approvals

- JAGUAR LAND ROVER STJLR.03.5003

FUCHS Recommendations

- ACEA A1/B1
- API CF
- CHRYSLER MS 6395
- FORD WSS-M2C913-A
- FORD WSS-M2C913-B
- IVECO 18-1811 CLASSE S1/S2
- JAGUAR M2C913-B
- RENAULT RN0700





SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: JCB ADV TRANSMISSION FLUID 10W

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

Identified uses: Lubricant

Uses advised against: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier	JCB Service World Parts Centre Waterloo Park, Beamhurst Uttoxeter ST14 5PA
Telephone:	+44 (0) 1889 590312
Contact Person:	Aftermarket Product Department
E-mail:	product-department@jcb.com

1.4 Emergency telephone number: +44 (0) 1865 407333

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has not been classified as hazardous, but needs to be labelled according to regulation GB-CLP.

Classification according to GB-CLP.

Hazard summary

Physical Hazards: No data available.

2.2 Label Elements

EUH210: Safety data sheet available on request.

2.3 Other hazards:

By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the environment without control.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Issue Date: 30.10.2013
Revision Date: 14.12.2022
Print date: 28.06.2024
SDS_GB - EN - 000000000602206534





Product name: JCB ADV TRANSMISSION FLUID 10W

General information: Mixture containing severely refined base oils and additives.

Chemical name	Identifier	Concentration *	UK-REACH Registration No.	Notes
ZnDTP	EINECS: 224-235-5	1,00% - <2,50%		
Calcium long-chain alkylphenate sulfide	EINECS: 272-234-3	1,00% - <5,00%		
Phenol derivative	EINECS: 310-154-3	0,01% - <0,25%		**

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

** UK-REACH Candidate List of SVHC for authorisation

Classification

Chemical name	Identifier	Classification
ZnDTP	EINECS: 224-235-5	GBCLP: Eye Dam. 1;H318, Aquatic Chronic 2;H411
Calcium long-chain alkylphenate sulfide	EINECS: 272-234-3	GBCLP: Aquatic Chronic 4;H413
Phenol derivative	EINECS: 310-154-3	GBCLP: Eye Dam. 1;H318, Aquatic Chronic 1;H410, Aquatic Acute 1;H400, Skin Corr. 1C;H314, Repr. 1B;H360; M-Factor (aquatic acute): 10; M-Factor (aquatic chronic): 10

GB-CLP

specific concentration limit

Chemical name	Identifier	specific concentration limit	Hazard class	Hazard Category	Hazard statements
ZnDTP	EINECS: 224-235-5	> 50 %	Serious eye damage	1	H318
		> 50 %	Serious eye irritation	2	H319

For the wording of the listed hazard statements refer to section 16.

Please note that the mineral oils and petroleum distillates used in our products are severely refined and have a DMSO extract < 3% as measured by method IP 346 and are not classified as carcinogenic according to Note L of Annex VI of Regulation GB-CLP.

SECTION 4: First aid measures

General: Instantly remove any clothing soiled by the product.

4.1 Description of first aid measures

Inhalation: Supply fresh air; consult doctor in case of symptoms.

Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids.

Skin Contact: Wash with soap and water.

Ingestion: Rinse mouth thoroughly.

Issue Date: 30.10.2013

Revision Date: 14.12.2022

Print date: 28.06.2024

SDS_GB - EN - 000000000602206534





Product name: JCB ADV TRANSMISSION FLUID 10W

- 4.2 Most important symptoms and effects, both acute and delayed:** May cause skin and eye irritation.
- 4.3 Indication of any immediate medical attention and special treatment needed:** Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media**
- Suitable extinguishing media:** CO₂, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added
- Unsuitable extinguishing media:** Water with a full water jet.
- 5.2 Special hazards arising from the substance or mixture:** During fire, gases hazardous to health may be formed.
- 5.3 Advice for firefighters**
- Special fire-fighting procedures:** Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.
- Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:** In case of spills, beware of slippery floors and surfaces.
- 6.2 Environmental Precautions:** Prevent from spreading (e.g. by binding or oil barriers). Avoid release to the environment. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so. Do not allow to enter drainage system, surface or ground water.
- 6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust). Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.
- 6.4 Reference to other sections:** See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.



Product name: JCB ADV TRANSMISSION FLUID 10W

SECTION 7: Handling and storage:

- | | |
|--|---|
| 7.1 Precautions for safe handling: | Prevent formation of aerosols. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Observe good industrial hygiene practices. Provide adequate ventilation. |
| 7.2 Conditions for safe storage, including any incompatibilities: | Local regulations concerning handling and storage of waterpolluting products have to be followed. Do not heat up to temperatures close to the flash point. |
| 7.3 Specific end use(s): | Not applicable |
| Storage Class: | 10, Combustible liquids |

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

8.2 Exposure controls

Appropriate engineering controls:

Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information:

Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

Eye/face protection:

Safety glasses (EN 166) recommended during refilling. Avoid contact with skin and eyes. Goggles/face shield are recommended. If risk of splashing, wear safety goggles or face shield.

Issue Date: 30.10.2013

Revision Date: 14.12.2022

Print date: 28.06.2024

SDS_GB - EN - 00000000602206534



Version: 5.2

4/10



Product name: JCB ADV TRANSMISSION FLUID 10W

Skin protection

Hand Protection:

Material: Nitrile butyl rubber (NBR).
Min. Breakthrough time: \geq 480 min
Recommended thickness of the material: \geq 0,33 mm

Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Other:

Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

Respiratory Protection:

Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol.

Thermal hazards:

Not known.

Hygiene measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

Environmental Controls:

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
Color:	Dark yellow
Odor:	Characteristic
pH:	substance/mixture is non-soluble (in water)
Freezing point:	-42 °C
Boiling Point:	not determined
Flash Point:	224 °C
Evaporation Rate:	Not applicable for mixtures
Flammability (solid, gas):	not determined
Flammability Limit - Upper (%)-:	Not applicable for mixtures
Flammability Limit - Lower (%)-:	Not applicable for mixtures
Vapor pressure:	Not applicable for mixtures
Relative vapor density:	Not applicable for mixtures
Density:	0,87 g/ml (15,00 °C)
Solubility(ies)	
Solubility in Water:	Insoluble in water
Solubility (other):	No data available.

Issue Date: 30.10.2013

Revision Date: 14.12.2022

Print date: 28.06.2024

SDS_GB - EN - 00000000602206534

Version: 5.2

5/10



Product name: JCB ADV TRANSMISSION FLUID 10W

Partition coefficient (n-octanol/water):	Not applicable for mixtures
Autoignition Temperature:	not determined
Decomposition Temperature:	not determined
Kinematic viscosity:	40,9 mm ² /s (40 °C)
Explosive properties:	Value not relevant for classification
Oxidizing properties:	Value not relevant for classification
Particle characteristics:	Not applicable
9.2 Other information	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	Stable under normal use conditions.
10.2 Chemical Stability:	Stable under normal use conditions.
10.3 Possibility of hazardous reactions:	Stable under normal use conditions.
10.4 Conditions to avoid:	Stable under normal use conditions.
10.5 Incompatible Materials:	Strong oxidizing substances. Strong acids. Strong bases.
10.6 Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Oral

Product:	Not classified for acute toxicity based on available data.
Specified substance(s) ZnDTP	LD 50 (Rat): 4.358 mg/kg

Dermal

Product:	Not classified for acute toxicity based on available data.
Specified substance(s) ZnDTP	LD 50 (Rabbit): > 5.000 mg/kg (OECD 402)

Inhalation

Product:	Not classified for acute toxicity based on available data.
----------	--

Skin Corrosion/Irritation:

Product:	Based on available data, the classification criteria are not met.
Specified substance(s) ZnDTP	(Rabbit): None.



Product name: JCB ADV TRANSMISSION FLUID 10W

Serious Eye Damage/Eye Irritation:

Product: Based on available data, the classification criteria are not met.
Specified substance(s)
ZnDTP (Rabbit):
Slightly irritating.

Respiratory or Skin Sensitization:

Product: Skin sensitizer: Based on available data, the classification criteria are not met.
Respiratory sensitizer: Based on available data, the classification criteria are not met.
Specified substance(s)
ZnDTP , OECD 406-1 (Guinea Pig)
Not a skin sensitizer.

Germ Cell Mutagenicity

Product: Based on available data, the classification criteria are not met.

Carcinogenicity

Product: Based on available data, the classification criteria are not met.

Reproductive toxicity

Product: Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Single Exposure

Product: Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Repeated Exposure

Product: Based on available data, the classification criteria are not met.

Aspiration Hazard

Product: Based on available data, the classification criteria are not met.

Other adverse effects:

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Product: Based on available data, the classification criteria are not met.

Fish

Specified substance(s)

ZnDTP

LC 50 (Fish, 96 h): 4,4 mg/l (OECD 203)

Aquatic Invertebrates

Specified substance(s)

ZnDTP

EC 50 (Water Flea, 48 h): 75 mg/l (OECD 202)

Calcium long-chain al-
kylphenate sulfide

EC 50 (Water Flea, 48 h): > 1.000 mg/l (OECD 202)

Issue Date: 30.10.2013

Revision Date: 14.12.2022

Print date: 28.06.2024

SDS_GB - EN - 000000000602206534

Version: 5.2

7/10





Product name: JCB ADV TRANSMISSION FLUID 10W

Chronic Toxicity

Product: Based on available data, the classification criteria are not met.

Fish

Specified substance(s)

ZnDTP NOEC (Fish, 4 d): 3,2 mg/l

Aquatic Invertebrates

Specified substance(s)

ZnDTP NOEC (Water Flea, 21 d): 0,4 mg/l

Toxicity to Aquatic Plants

Specified substance(s)

ZnDTP EC 50 (Alga, 72 h): 410 mg/l
NOEC (Alga, 72 h): 220 mg/l

12.2 Persistence and Degradability

Biodegradation

Product: Not applicable for mixtures

Specified substance(s)

ZnDTP 5 % (28 d, OECD 301B) Not readily degradable.

12.3 Bioaccumulative potential

Product: Not applicable for mixtures

12.4 Mobility in soil:

Product: Not applicable for mixtures

12.5 Results of PBT and vPvB assessment:

The product does not contain any substances fulfilling the PBT/vPvB criteria.

12.6 Other adverse effects:

Experimental data has shown that the concentration of the potentially aquatic toxic components present in this product is not harmful to aquatic organisms.

Water Hazard Class (WGK):

WGK 2: significantly water-endangering.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: Dispose in accordance with all applicable regulations.

Disposal methods: Do not empty into drains; dispose of this material and its container in a safe way. When storing used products, ensure that the waste categories and mixing instructions are observed.

List of Waste (LoW) Codes



GAZPROMNEFT LUBRICANTS ITALIA SPA
 Stabilimento di Bari
 Via Bitritto km 7,800
 70124 BARI BA - ITALY
 Tel.: +39 080 6989.1 - FAX +39 0805055022
 WWW.GAZPROM-NEFT.IT



Sede Legale:
 Via Francesco Benaglia, 13
 00153 ROME RM - ITALY

Перевод

Паспорт качества № 34243

Продукт: G-TRUCK Z 75W-80

Трансмиссионное масло, разработанное для механических КПП европейской шоссейной техники.

Код продукта	02 5364 0105	Локальный код	GND2014
Партия	200000953	Дата	30 ноября 2020
Количество		Дата отбора пробы	27 ноября 2020
Декларация о соответствии	EA3C № RU Д-ИТ.РА01.В20015/20 по 27.02.2023	Срок годности (месяцы)	60

Показатели	Метод	Единицы измерения	Мин.	Макс.	Типичное значение	Результат
Температура вспышки в открытом тигле Кливленда	ASTM D92	°C	200		240	234
Кинематическая вязкость при 100°C	ASTM D445	мм ² /с	8,0	11,0	9,0	9,188
Индекс вязкости	ASTM D2270				125	124
Температура застывания	ASTM D97	°C		-40	-42	-42
Внешний вид	визуально				Однородная прозрачная жидкость	Однородная прозрачная жидкость
Динамическая вязкость по Брукфильду -40°C	ASTM D2983	мПа·с		150000	106000	89000
Плотность при 15°C	ASTM D1298	кг/м ³			882	878,8
Склонность к пенообразованию/стабильность пены, посл. I	ASTM D892	мл		50/0	0/0	10/0
Склонность к пенообразованию/стабильность пены, посл. II	ASTM D892	мл		50/0	10/0	20/0
Склонность к пенообразованию/стабильность пены, посл. III	ASTM D892	мл		50/0	0/0	10/0
Содержание фосфора	ASTM D7751	% масс.	0,135	0,167	0,154	0,143
Содержание кальция	ASTM D7751	% масс.	0,297	0,363	0,325	0,312
Температура вспышки в открытом тигле Кливленда	ГОСТ 4333	°C	135		229	229
Температура самовоспламенения	ГОСТ 12.1.044	°C	165		357	357
Массовая доля механических примесей	ГОСТ - 6370	% масс.		0,03	0,007	0,007

Продукт соответствует требованиям технического регламента Таможенного союза ТР ТС 030/2012
 Продукт следует хранить в крытых складских помещениях, защищенных от прямых солнечных лучей и атмосферных осадков.

Примечания:

Представитель по доверенности



Gazpromneft Lubricants Italia S.p.A.
 Valeria Pluchinotta
 Laboratory Technician

Handwritten signature



S.p.A. con unico socio - Cap. Soc. € 2.580.000 I.v. C.F. e registro Imprese di Roma 07358340586 - P. IVA 01751251008
 Società soggetta all'attività di direzione e controllo della Gazpromneft Lubricants Ltd.
 Mod. PQ10/02/2b, rev. 7, 18/05/2014

КОПИЯ ВЕРНА

КОПИЯ ВЕРНА



Vipoil Drivetronic ATF DX III

Ulei de transmisie automata

DESCRIERE

Vipoil Drivetronic ATF DX III este un ulei de transmisie automata multifunctional, formulat din uleiuri de baza sintetice si un pachet de aditivi atent selectionati, care ofera o lubrifiere superioara, reduc frecarea, ofera tranzitii fara intreruperi intre trepte imbunatatind confortul general la conducere, protejeaza impotriva formarii de namol si lac, asigurand totodata nivelul de performanta Dexron III H.

SPECIFICATII

GM Dexron III H,G,F
Caterpillar TO-2
Allison TES-389
MB 236.9
MAN 339 V1, Z1, Z2
Ford MERCON M931220, WSS-M2C922-A1
VOITH H55.6336.xx
ZF TE-ML 03D/05L/14A/16L/17C/20B/25B
VOLVO 1161521, 1161621, TO 97341
VOITH G607

APLICATII

Este recomandata utilizarea la transmisiile automate, sistemele de servodirectie si alte sisteme hidraulice ale autovehiculelor, autoutilitarelor care solicita acest tip de ulei.

BENEFICII

- Stabilitate foarte buna impotriva oxidarii
- Stabilitate foarte buna impotriva depunerilor
- Durata de exploatare extinsa (LongLife)
- Pornire usoara la temperature scazute

PROPRIETATI TIPICE

Caracteristici	Metoda de test	Valori
Densitate la 15°C, g/cm ³ , max.	ASTM D4052	0.850
Viscozitate cinematica la +40°C, mm ² /s ⁻¹ .	ASTM D445	34.0
Viscozitate cinematica la +100°C, mm ² /s ⁻¹ .	ASTM D445	7.1
Indice de viscozitate, min.	ASTM D2270	178
Punct de inflamabilitate °C, min.	ASTM D92	220
Punct de curgere °C, min.	ASTM D97	-48

* These values are informative. Variations of these characteristics may occur.

This lubricant does not present a particular danger if it is used according to our recommendations and according to the purpose for which it was produced. The security sheet according to the European legislation in force can be obtained on request.





Certificate of analysis

Certificate no.: **4301-1**
Product: **TSP-15K**
Date of issue: 26.03.2024

Batch no.: 56
Date of manufacture: 26.03.2024

Typical Characteristics

Name	Test method	Value
Appearance	VL-TA-P-051	Clear and Bright
Density @15°C, g/cm ³	ASTM D4052	0.8942
Kinematic viscosity @40°C, mm ² /s ⁻¹	ASTM D445	160.67
Kinematic viscosity @100°C, mm ² /s ⁻¹	ASTM D445	15.19
Viscosity index	ASTM D2270	95
Flash Point °C	ASTM D92	245
Pour Point °C	ASTM D97	-27
Color	ASTM D1500	4

Head of laboratory





ALCO QUALITY ASSURANCE LABORATORY
TEST REPORT

Accreditation No: AZS ISO/IEC 17025 2020/AZ 01.0571.01.21



Company: ALCO LLC
3. Vali Mammadov st., Sabail dist.
AZ1095, Baku, Azerbaijan

Certificate No.: 2024806
Date of issue: 24/05/2024

Test sample

Product: EUROTEC TAD-17
Batch number: 2405806
Tank ID: T45.2

Manufacture date: 24/05/2024
Date of sampling: 24/05/2024
Date of analysis: 24/05/2024

Test result

Parameters	Unit	Test method	Limit	Test result	Conclusion
Appearance	-	Visual	Bright & Clear	Bright & Clear	Pass
Kinematic viscosity at 100 °C	mm ² /s	ASTM D445	Min. 17.50	18.49	Pass
Viscosity Index	-	ASTM D1500	Min. 90	114	Pass
Water content	%	ASTM D95	Max. 0.05	None	Pass
Flash Point, COC	°C	ASTM D92	Min. 200	248	Pass
Pour Point	°C	ASTM D97	Max. -30	-30	Pass
Color	-	ASTM D1500	Test & Report	3.9	Pass
Density at 15 °C	g/cm ³	ASTM D4052	Test & Report	0.8862	Pass

ALCO QUALITY ASSURANCE LABORATORY accredited by AzAK for AZS ISO/IEC 17025.2020 at test laboratory.

Shelf life: 5 years from the date of manufacture of the product if proper storage conditions are followed.

This product meets the specification set out in its product data sheet (PDS) and has been manufactured in a facility fully complying with the requirements of Integrated Management System standards.

Quality Assurance Laboratory
Address: 1, Kimyachilar st., SCIP, Sumgait, Azerbaijan, AZ5002
Email: lab@azlub.com



Forma No: F5.10-03/ Release date: 12.01.2024/ Rev. No. 00



Certificate of Conformity

No. 283 / 09.04.2024

This is to confirm "HEXOL AW 46"

Has been formulated with accordance to the specification: ISO 6743-4, ISO-L-HM, DIN 51524-2 (HLPD), AFNOR NF E 48-603(HM), Sperry Vickers I-286-S, US Steel 126 and 127
And manufactured by SC Hexol Lube SRL

Batch Number: 1/09.04.2024

Quantity: 4 x 1000 Litre IBC

Total Litres: 4000 Litres

Test Results and Characteristics

Characteristics	Unit	Specification	Measured value	Method
Appearance		bright, clear	bright, clear	Visual
Kinematic viscosity at 40 °C	mm ² /s	41.4 – 50.6	49.23	ASTM D 445
Kinematic viscosity at 100 °C	mm ² /s	6.3 - 7	6.85	ASTM D 445
Viscosity index		min. 90	92	STAS 55-81
Density at 20 °C	g/cm ³	max. 0,8968	0.872	STAS 35-81

We declare that the product specified above are accordind with the specifications.

Do not modify or alterate this certificate.

Issued to
CALBOR GRUP SRL
CHISINAU
REPUBLICA MOLDOVA

Quality and Environmental Compliance Manager

Ing. Ilinca Rotaru





Certificate of Conformity

No. 285 / 09.04.2024

This is to confirm "HEXOL Torsion 80W90 LSD"

Has been formulated with accordance to the specification: API GL5, MIL-L-2105D, MAN 342 Type M-2, MB 235.2, Scania STO 1:0, Renault Tranself NFP(aka Tranself TRX), FORD M2C200-B M2C94-A, ZF TE-ML 05A,07A,12E,16B,16C,17B,19B, 21A., TATRA TDS 80/32 And manufactured by SC Hexol Lube SRL

Batch Number: 1/09.04.2024

Quantity: 4 x 208 Litre Barrels

Total Litres: 832 Litres

Test Results and Characteristics

Characteristics	Unit	Requirements	Measured value	Method
Appearance		bright, clear	bright, clear	Visual
Kinematic viscosity at 40 °C	mm ² /s	140 - 300	148.4	ASTM D 445
Kinematic viscosity at 100 °C	mm ² /s	13.5 - 24	15.1	ASTM D 445
Viscosity index		min. 98	102	STAS 55-81
Density at 20 °C	g/cm ³	max. 0.902	0.880	STAS 35-81

We declare that the product specified above are accordind with the specifications.

Do not modify or alterate this certificate.

Issued to
CALBOR GRUP SRL
CHISINAU
REPUBLICA MOLDOVA

Quality and Environmental Compliance Manager

Ing. Ilinca Rotaru



Vipoil TransROil 80W-90 GL-5

Ulei de transmisie

DESCRIEREA PRODUSULUI

VIPOIL TransROil 80W-90 API GL-5 este obținut din uleiuri minerale de calitate superioară cu cele mai noi tehnologii de aditivare care asigură nivelul de performanță API GL-5 .

SPECIFICATII

API GL-5
SAE 80W-90
API MT-1
MIL-L-2105D
ZF-TE-ML 07A/08
ZF-TE-ML 02B/05A/12L/16B/17H/19B/21A

APLICATII

VIPOIL TransROil 80W-90 API GL-5 este recomandat pentru a fi utilizat în transmisii mecanice, transmisii hipoide a autovehiculelor, camioanelor, utilajelor agricole pentru care se recomandă utilizarea unui lubrifianț de extremă presiune, ce asigură funcționarea acestora în condiții severe de lucru pentru care producătorul recomandă un ulei cu nivelul de performanță API GL-5 .

BENEFICII

- Stabilitate foarte bună la oxidare
- Rezistența la spumare
- Demulsionare excelentă
- Proprietăți:
 - anti-uzura,
 - anticoroziune
 - antioxidanți,
 - antispumant.

PROPRIETATI SPECIFICE

CARACTERISTICI	METODA	VALOARE
Densitate la 15°C, g/cm ³ , max.	ASTM D4052	0.890
Vascozitate cinematica at +40°C, mm ² /s ⁻¹ .	ASTM D445	150.0
Vascozitate cinematica at +100°C, mm ² /s ⁻¹ .	ASTM D445	15.0
Indice de vascozitate, min.	ASTM D2270	94
Punct de aprindere °C, min.	ASTM D92	245
Punct de curgere °C, min.	ASTM D97	-30
Demulsifiere. at +52 °C, min	DIN 51599	<30

* These values are informative. Variations of these characteristics may occur.

This lubricant does not present a particular danger if it is used according to our recommendations and according to the purpose for which it was produced. The security sheet according to the European legislation in force can be obtained on request.



DECLARATIE CONFORMITATE



MOVING YOUR WORLD

Noi **FUCHS LUBRICANTS ROMANIA SRL**, cu sediul in Str Siriului 6-8,sect 1, Bucuresti , nr.ONRC. J40/19748/27.1 cod fiscal RO38537819, asiguram, garantam si declaram pe propria raspundere, ca produsele:

- 1 Titan Cargo MC 10W40 205L
- 2 RENOLIT LX-PG 2 180K
- 3 Titan GT1 FLEX 3 5W-40 1L PLAx12
- 4 Titan Truck Plus 15W40 205L
- 5 Titan Unimax Ultra MC 10W-40 205L
- 6 Titan GT1 FLEX 34 5W-30 carton 12x1L plastic rectangle can
- 7 Titan GT1 PRO C3 5W30 3X5 L PAILS IN CARTON
- 8 Titan Supersyn FE 0W30 3X5 L PAILS IN CARTON
- 9 Titan Svo MC 10W40 3X5 L PAILS IN CARTON

livrate cu documentul nr 5238 din data 25.11.2024 la care se refera aceasta declaratie, nu pun in pericol viata sanatarea si securitatea muncii, nu produc un impact negativ asupra mediului daca sunt utilizate in conditiile respectarii cerintelor legale a fiselor tehnice si fiselor cu date de siguranta (SDS) a produselor si sunt in conformitate cu legislatia in vigoare.

- Termenul de garantie, se calculeaza de la data fabricatiei produselor si este valabil doar daca produsele sunt pastrate in ambalajul original, sigilat , inchis etans si respecta conditiile de depozitare specifice lubrifiantilor (tempere recomandata +5 -> +40 si neexpuse sub directa actiune a razelor solare), de manipulare si transport prevazute in fisele cu date de Securitate in vigoare.

DECOFRANTI PE BAZA DE APA	Minim 0.5	ani
DECOFRANTI PE BAZA DE ULEI MINERAL	Minim 2	ani
LUBRIFIANTI ADEZIVI	Minim 3	ani
UNSORI	Minim 3	ani
UNSORI SEMI FLUIDE	Minim 2	ani
LUBRIFIANTI INDUSTRIALI: ULEI MINERAL	Minim 3	ani
LUBRIFIANTI INDUSTRIALI: ULEI SINTETIC	Minim 5	ani
LUBRIFIANTI SOLIZI CU ADITIVI SOLIZI	Minim 2	ani
PASTE	Minim 3	ani
LUBRIFIANTI CARE FORMEAZA PELICULA SOLIDA	se aplica termenul specificat in fisa tehnica	
SPRAY	Minim 3	ani
LUBRIFIANTI PENTRU DEFORMARE PLASTICA PE BAZA DE APA	Minim 1	ani
EMULSII DE PRELUCRARE	Minim 1	ani
LUBRIFIANTI DE TAIERE NEMISCIBILE CU APA	Minim 3	ani
DETERGENTI	Minim 1	ani
SOLVENTI	Minim 3	ani
LUBRIFIANTI AUTO: MINERALI	Minim 3	ani
LUBRIFIANTI AUTO: SINTETICI	Minim 5	ani
LICHID DE FRANA , ULEI FRIGORIFIC	Minim 2	ani
ANTIGEL	Minim 3	ani

Va rugam sa retineti instructiunile speciale suplimentare si sfaturile de depozitare de pe etichete.





HEXOL TBA 32 – TBA 46 – TBA 68 ULEIURI PENTRU TURBINE

DESCRIERE PRODUS

HEXOL TBA 32 – TBA 46 – TBA 68 sunt uleiuri special formulate pentru lubrifierea turbinelor, produse cu un nivel calitativ ridicat și bazat pe o formulare specială din uleiuri minerale rafinate cu un înalt grad de stabilitate.

CARACTERISTICI

- corespund cerințelor ISO 8068 Type AR, DIN 51515-1(L-TD); DIN 51515-2(L-TG); GEK 32568 A/C; DIN 51517-2; Cincinati P38, P55, P54, P62; US STEEL 120; DIN 51524-2 (HLP);
- asigură o excelentă protecție;
- conține aditivi speciali de protecție împotriva coroziunii;
- conține aditivi antispumantși.

DOMENIU DE UTILIZARE

- recomandat pentru majoritatea tipurilor de turbine;
- poate fi folosit de asemenea în compresoare, sisteme hidraulice, pentru lubrifierea generală a componentelor mașinilor unde nu este recomandat un anumit tip de lubrifiant, angrenaje ușoare, cuplaje, axe, căi de rulare.

PROPRIETĂȚI SPECIFICE

Grad de vâscozitate ISO	32	46	68
Densitate la 15°C [kg/m ³]aprox	890	895	895
Vâscozitate cinematică la 40°C [mm ² /s]	28,8 - 35,2	41,4 - 50,6	61,2 - 74,8
Punct de inflamabilitate [°C] min	205	210	226
Punct de curgere [°C] max	-36	-33	-30

AMBALAJ

- | | | | | | | |
|--------------------------------|--------------------------------|---|---|---|--|---|
| <input type="checkbox"/> 0.4Kg | <input type="checkbox"/> 1Kg | <input type="checkbox"/> 4Kg | <input type="checkbox"/> 15Kg | <input type="checkbox"/> 180Kg | | |
| <input type="checkbox"/> 0.23L | <input type="checkbox"/> 0.45L | <input type="checkbox"/> 0.5L | <input type="checkbox"/> 0.6L | <input type="checkbox"/> 0.9L | <input type="checkbox"/> 1L | <input type="checkbox"/> 3L |
| <input type="checkbox"/> 4L | <input type="checkbox"/> 5L | <input checked="" type="checkbox"/> 10L | <input checked="" type="checkbox"/> 20L | <input checked="" type="checkbox"/> 60L | <input checked="" type="checkbox"/> 208L | <input checked="" type="checkbox"/> 1000L |





Certificate of analysis

Certificate no.: 4297
Product: I-20
Date of issue: 26.03.2024

Batch no.: 55
Date of manufacture: 26.03.2024

Typical Characteristics

Name	Test method	Value
Appearance	VL-TA-P-051	Clear and Bright
Density @15°C, g/cm ³	ASTM D4052	0.8740
Kinematic viscosity @40°C, mm ² /s ⁻¹	ASTM D445	30.77
Kinematic viscosity @100°C, mm ² /s ⁻¹	ASTM D445	5.24
Viscosity index	ASTM D2270	100
Flash Point °C	ASTM D92	215
Pour Point °C	ASTM D97	-12
Color	ASTM D1500	1.5
TBN mg KOH/g	ASTM D2896	0.8

Head of laboratory





Certificate of analysis

Certificate no.: **815**
Product: **I-40**
Date of issue: 13.06.2023

Batch no.: **106**
Date of manufacture: 13.06.2023

Typical Characteristics

Name	Test method	Value
Appearance	VL-TA-P-051	Clear and Bright
Density @15°C, g/cm ³	ASTM D4052	0.8831
Kinematic viscosity @40°C, mm ² /s ⁻¹	ASTM D445	65.45
Kinematic viscosity @100°C, mm ² /s ⁻¹	ASTM D445	8.47
Viscosity index	ASTM D2270	99
Flash Point °C	ASTM D92	225
Pour Point °C	ASTM D97	-12
Color	ASTM D1500	2.5
TBN mg KOH/g	ASTM D2896	0.8

Head of laboratory





ALCO QUALITY ASSURANCE LABORATORY
TEST REPORT
Accreditation No: AZS ISO/IEC 17025:2020/AZ 01.0571.01.21



Company: ALCO LLC
3, Vali Mammadov st., Sabail dist.
AZ1095, Baku, Azerbaijan

Certificate No.: 2024980
Date of issue: 24/06/2024

Test sample

Product: EUROTEC INDUSTRIAL HYDRAULIC I-50A
Batch number: 2406980
Tank ID: T41.1

Manufacture date: 24/06/2024
Date of sampling: 24/06/2024
Date of analysis: 24/06/2024

Test result

Parameters	Unit	Test method	Limit	Test result	Conclusion
Appearance	-	Visual	Bright & Clear	Bright & Clear	Pass
Kinematic viscosity at 40 °C	mm ² /s	ASTM D445	90.00-110.0	97.26	Pass
Viscosity index	-	ASTM D2270	Test & Report	88	Pass
Water content	%	ASTM D95	Max. 0.05	None	Pass
Flash Point, COC	°C	ASTM D92	Min. 225	240	Pass
Pour Point	°C	ASTM D97	Max. -15	-18	Pass
Color	-	ASTM D1500	Max. 4.5	2.7	Pass
Density at 15 °C	g/cm ³	ASTM D4052	Test & Report	0.8968	Pass

ALCO QUALITY ASSURANCE LABORATORY accredited by AzAK for AZS ISO/IEC 17025:2020 at test laboratory.

Shelf life: 5 years from the date of manufacture of the product if proper storage conditions are followed.

This product meets the specification set out in its product data sheet (PDS) and has been manufactured in a facility fully complying with the requirements of Integrated Management System standards.





Certificate of analysis

Certificate no.: **4304**
Product: **VMGZ**
Date of issue: 27.03.2024

Batch no.: 56
Date of manufacture: 27.03.2024

Typical Characteristics

Name	Test method	Value
Appearance	VL-TA-P-051	Clear and Bright
Density @15°C, g/cm ³	ASTM D4052	0.8473
Kinematic viscosity @40°C, mm ² /s ⁻¹	ASTM D445	20.88
Kinematic viscosity @100°C, mm ² /s ⁻¹	ASTM D445	4.54
Viscosity index	ASTM D2270	135
Flash Point °C	ASTM D92	205
Pour Point °C	ASTM D97	-52
Color	ASTM D1500	1.5

Head of laboratory





Product: VMGZ
Ref document: ST – 52 ED.1, REV. 2/2022
Date of issue: 16.02.2023

Certificate of conformity VMGZ

Supplier : SC VIPOIL SRL
Supplier Address : Chimiei nr. 14 street, Iasi County, Romania
Registration number at the Commerce Registry: J22 / 939 / 2022

VIPOIL S.R.L. as a producer registered at the Trade Register with No. J22 / 939 / 2002 with headquarters in Bd.Chimiei nr.14, Iasi 700293 Romania, we assure, guarantee and declare on our own responsibility, through the present document, that the product to which this declaration refers does not endanger life, health, safety at work, does not produce a negative impact on the environment and is in accordance with the specifications in the Safety Data Sheet.

The product complies with Regulation (EC) no. 765/2008 and Directive 2001/95/E, transposed into Romanian legislation by law no. 245/2004

Certificate of validity

The product VMGZ has a shelf life of 5 years from the date of manufacture, in compliance with the requirements for packaging storage, transport and handling.

Hydraulic oil VMGZ high performance anti-wear hydraulic oils designed to satisfy a wide range of hydraulic equipment requirements. Formulated with high-quality mineral base oils and selected additives they provide very good anti-wear properties, rust and corrosion protection, oxidation resistance and anti-foam properties. The high viscosity indexes provide excellent low and high temperature properties for equipment that is subjected to a wide range of start-up and operating temperatures. They are designed for systems operating under moderate conditions where high level of anti-wear protection are needed.

Hazard statements:

EUH 210 – Safety data sheet available on request

Precautionary statements:

P102 – Keep out of reach of children.

P501 - Dispose of contents / container to an approved waste disposal plant

S.C. VIPOIL S.R.L.,
Iasi, Bd, Chimiei, nr.14
Tel. 0232 254 153





Certificate of analysis

Certificate no.: **535**
Product: **HVLP 22**
Date of issue: 21.04.2023

Batch no.: **72**
Date of manufacture: 21.04.2023

Typical Characteristics

Name	Test method	Value
Appearance	VL-TA-P-051	Clear and Bright
Density @15°C, g/cm ³	ASTM D4052	0.8463
Kinematic viscosity @40°C, mm ² /s ⁻¹	ASTM D445	23.24
Kinematic viscosity @100°C, mm ² /s ⁻¹	ASTM D445	5.32
Viscosity index	ASTM D2270	174
Flash Point °C	ASTM D92	205
Pour Point °C	ASTM D97	-42
Color	ASTM D1500	1.5

Head of laboratory





HEXOL LUBE SRL

ZONA METROPOLITANĂ ORADEA • RO28678527 • J05/1259/2011

PALEU • STR. ARDEALULUI NR.1A
COD 417166 • JUD. BIHOR • ROMÂNIA
TEL +40 259 454216 • +40 724 322992
FAX +40 259 428299 • eMAIL: oradea@hexol.com



URS is a member of Registrar of Standards Prolonging Ltd.

ISO 9001
REGISTERED FIRM



Certificate of Conformity

No. 521 / 26.06.2024

This is to confirm "HEXOL STANDARD HV 32"

Has been formulated with accordance to the specification: ISO 6743-4, ISO-L-HV, DIN 51524-3 (HVLVP), AFNOR NF E 48-603(HM), Sperry Vickers I-286-S, US Steel 126 and 127)
And manufactured by SC Hexol Lube SRL

Batch Number: 1/26.06.2024

Quantity: 4 x 208 Litre Barrels

Total Litres: 832 Litres

Test Results and Characteristics

Characteristics	Unit	Specification	Measured value	Method
Appearance		bright, clear	bright, clear	Visual
Kinematic viscosity at 40 °C	mm ² /s	28.8 – 35.2	30.83	ASTM D 445
Kinematic viscosity at 100 °C	mm ² /s	5 – 7.5	6.158	ASTM D 445
Viscosity index		min. 145	153	STAS 55-81
Density at 20 °C	g/cm ³	max. 0.8668	0.840	STAS 35-81

We declare that the product specified above are accordind with the specifications.

Do not modify or alterate this certificate.

Issued to
CALBOR GRUP SRL
CHISINAU
REPUBLICA MOLDOVA

Quality and Environmental Compliance Manager

Ing. Ilinca Rotaru



www.hexol.com

CERTIFICATE OF ANALYSIS

Accreditation No: AZS ISO/IEC 17025:2020/AZ 01.0571.01.21

From: ALCO LLC
3, Vali Mammadov st., Sabail dist.
AZ1095, Baku, Azerbaijan

Certificate No.: 2023111873
Date of issue: 17/11/2023

Test sample

Product: EUROTEC TRANSFORMER OIL T 1500
Date of sampling: 17/11/2023

Manufacture date: 17/11/2023
Batch number: 23111873
Tank ID: T61.1

Test result

Date of analysis: 17/11/2023

Parameters	Unit	Test result	Limit	Test method	Conclusion
Appearance	-	Bright & Clear	Bright & Clear	Visual	Pass
Kinematic viscosity -at 40°C -at 50°C -at 100°C	mm ² /s	10.47 7.60 2.56	- Max. 8.0 -	ASTM D445	Pass
Water content	%	None	Max. 0.05	ASTM D95	Pass
Mechanical impurities	%	None	None	ASTM D 4807	Pass
Closed Cup Flash Point	°C	143	Min. 135	ASTM D93	Pass
Pour Point	°C	-45	Max. -45	ASTM D97	Pass
TAN	mg KOH/g	0.007	Max. 0.01	ASTM D974	Pass
Color	-	0.5	Max. 1.5	ASTM D1500	Pass
Dielectric dissipation factor at 90°C	%	0.20	Max. 0.50	IEC 60247	Pass
Dielectric Breakdown Voltage	kV	60.6	Min 30	IEC 60156	Pass
Density at 20 °C	g/cm ³	0.8822	Max. 0.885	ASTM D4052	Pass

Shelf life: 5 years from the date of manufacture of the product if proper storage conditions are followed. This product meets the specification set out in its product data sheet (PDS) and has been manufactured in a facility fully complying with the requirements of Integrated Management System standards.

