



Agricultural Equipment

High Performance Lubricants
for Agriculture

Q8  **Oils**

WWW.Q8OILS.COM



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AGRICULTURAL APPLICATIONS

About Q8Oils

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01



At Q8Oils, we pride ourselves on being the preferred oil manufacturer across many sectors, offering innovative lubricant solutions tailored to meet the unique needs of each industry.

About Q8Oils

Q8Oils: Your preferred business partner

- Present in more than 100 countries
- Q8Oils has positioned itself as the leading supplier of lubricants for large enterprises in the international market
- Own R&D laboratories and state-of-the-art blending plants
- We offer a unique supply solution for all applications in various sectors:



Automotive

Energy

Metalworking

General Industry



مؤسسة البترول الكويتية
Kuwait Petroleum Corporation

Part of a Strong Group

Q8Oils is a subsidiary of Kuwait Petroleum Corporation (KPC), which is ranked as one of the world's top ten energy conglomerates. KPC helps meet the world's vital oil and gas needs via diverse business activities which span all aspects of the hydrocarbon industry, from onshore and offshore exploration, to production and refining, petrochemicals, marine transportation and retailing.

Be your customers' most trusted lubricant supplier with Q8Oils – Your Partner in Quality!



At Q8Oils, quality and responsibility go hand-in-hand

As a member of ATIEL, (the Technical Association of the European Lubricants Industry), we contribute to shaping ACEA European engine oil specifications to ensure the highest level of lubricant excellence on the market.

ATIEL pioneered the establishment of SAIL, an independent testing institute, to guarantee the quality of engine oils claiming to meet ACEA specifications. SAIL monitors product quality closely by subjecting random oil samples to rigorous laboratory testing. You can demonstrate your adherence to industry rules as defined by the European Engine Lubricant Quality Management System (EELQMS) easily by joining SAIL via its user-friendly platform.

Meeting specifications is crucial

At Q8Oils, our research department tests lubricants for their compliance with the standards. Our products often exceed these standards. Our findings reveal that 50% of oil samples fall short of EELQMS requirements. These products of competitors oil samples claim but fail to meet ACEA specifications – and these specifications form the foundation for OEM approval! Failing to meet ACEA standards jeopardizes your compliance with OEM specifications and also puts at risk various OEM specifications for oils that fall short in ACEA-defined tests.

Meeting ACEA E8 standards requires rigorous testing:

Specification	Bench Test	Engine Test
ACEA E8	16	7

Count on Q8Oils for:

- **Fully Tested Formulations:** Our commitment to quality includes testing our products precisely to meet the industry standards set by ACEA, API and ZF.
- **Approved Technology:** We use OEM-approved technology to ensure reliability and performance.
- **Q8 Research Endorsement:** Q8 Research tests every product thoroughly to guarantee excellence.
- **Engine Protection:** Q8 products prevent sludge and engine damage, to keep your engines clean and running.
- **Oxidation Stability:** Q8 products offer great oxidation stability, resulting in longer drain intervals and fewer oil changes.
- **Environmentally Responsible:** Reduce your environmental footprint by increasing engine efficiency, thanks to Q8 products.
- **Fuel Efficiency:** Achieve improved fuel efficiency, and reduced emissions with products tested according to ACEA requirements for E4/E6/E7/E8/E9/E11.



Q8Oils PALub

More information on <https://www.Q8Oils.com/palub/>

Product Applications Lubricants represents the technical service division of Q8Oils. Our team comprises passionate experts with extensive knowledge in the sector. Don't hesitate to reach out to us for inquiries regarding product applications, specifications, safety requirements, and any other relevant information. We are here to assist you with enthusiasm and expertise.

Advise

Contact us for all your questions about our product range, new products, and market specifications.

Sales support

Our experts also support the sales team in visiting companies and distributors.

Marketing support

PALUB can provide support in the preparation of product datasheets, the development of brochures, translations (FR, NL, DE) and the creation of labels for large packaging.

Intermediary

PALUB can act as an intermediary between you and our R&D team.

Maintenance

We handle the maintenance of all tools provided through Q8Oils.

Training

We organize training courses on new products and/or applications, as well as extended introduction sessions for newcomers to the oil market.

Research & development

Our R&D department is an important part of our search for innovative products and strategies. Through our extensive and intensive research, we determine the future technical requirements of lubricants. This is how we continue to exceed the expectations of the industry and our customers.

In our modern blending plants, as well as in our research and technology centers, we create products that meet and exceed the highest performance requirements. And that at a competitive market price.



State-of-the-art production facilities in Belgium, Italy and various productions via local partners. This combined with our own research & technology centers.



Products that exceed the highest performance requirements. Approved by all major OEMs.



Custom product development based on customer challenges and needs.

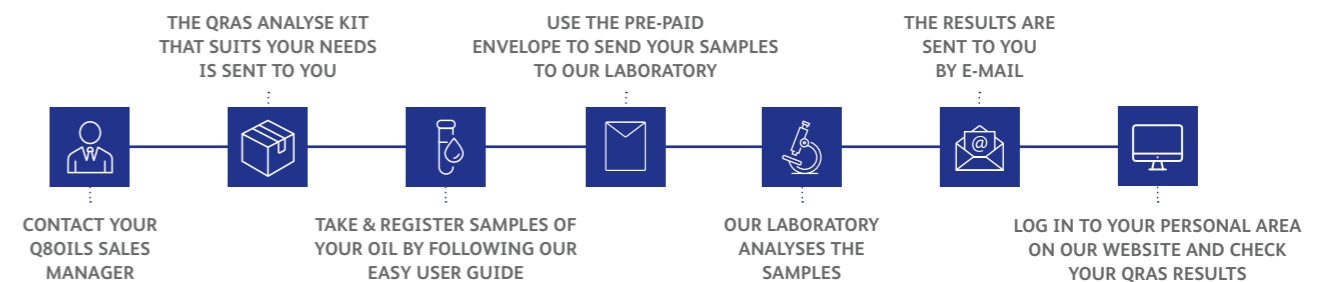


Superior solution for lubrication needs.

QRAS

Q8Oils Routine Analysis Service

Q8Oils understands that operating conditions vary significantly, and we are here to offer expert advice on selecting the most suitable oil for your specific application. Through our Q8 Routine Analysis Service (QRAS), customers can extend the lifespan of their engines or machines, reduce operating costs, and optimize their lubrication program. Regular oil analyses help prevent potential severe damage or breakdowns by identifying issues and providing insights into the necessary actions to be taken and their urgency, as interpreted by our team of experts.



Benefits

- Access your results online anytime for your convenience.
- Get recommendations from our technical expert support team regarding your oil condition & engine wear.
- Receive an in-depth report encompassing all pertinent details, including historical data, oil sample analysis, machine condition, and more.

Key Facts

50+

years of experience in R&D in the petroleum sector

350.000

oil analyses per year

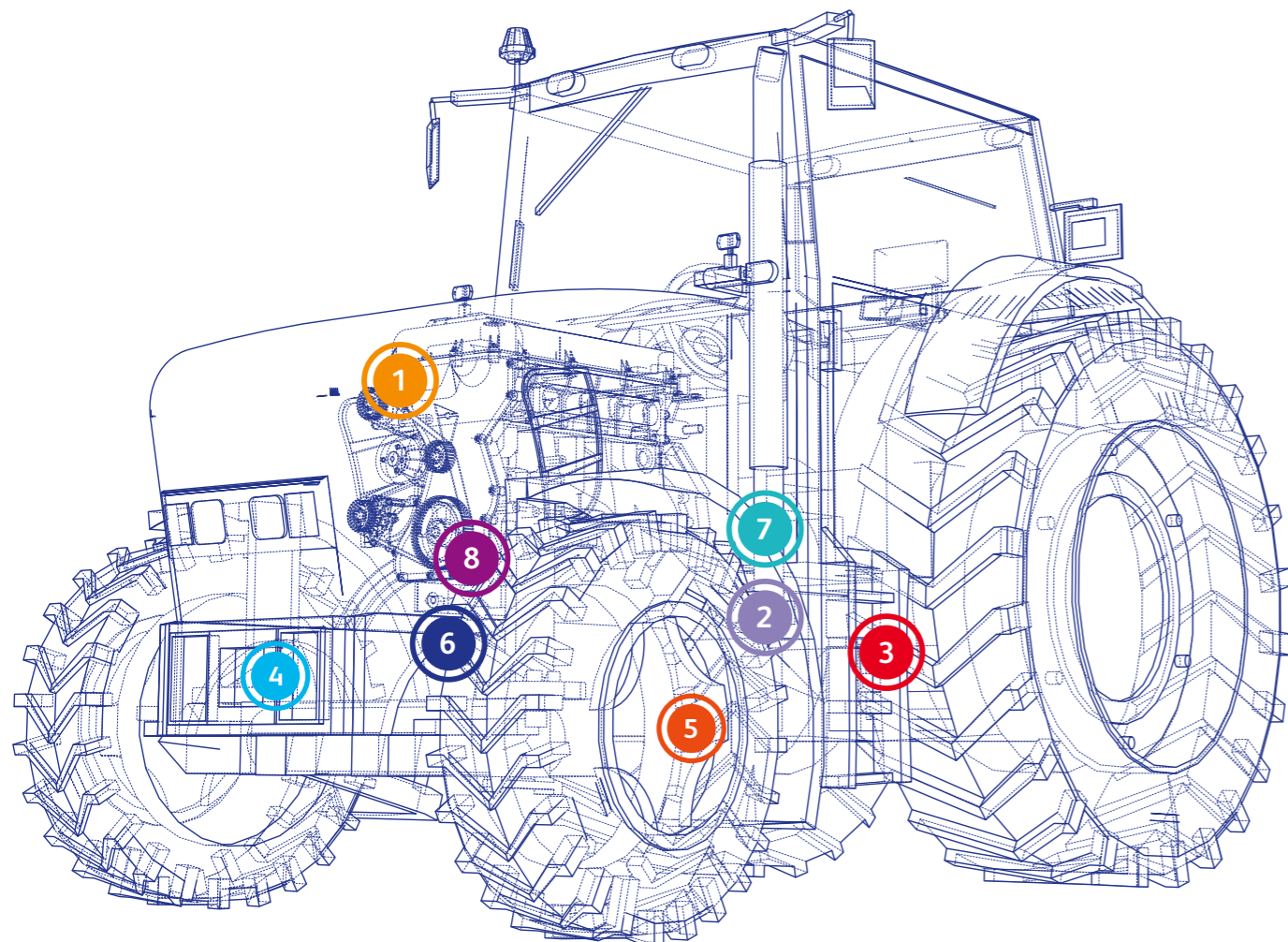
40+

scientists and support staff

1.000+

Lubricant products

- 1 ENGINE OILS
- 2 AUTOMATIC TRANSMISSION FLUIDS
- 3 AXLE & GEAR OILS
- 4 COOLANTS
- 5 BRAKE FLUIDS
- 6 POWER STEERING FLUIDS
- 7 TRACTOR TRANSMISSION FLUIDS
- 8 HYDRAULIC FLUIDS
- 9 GREASES



AGRICULTURAL APPLICATIONS

Agricultural Oils Product range

Engine Oils	10
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Axle & Gear Oils	18
Coolants	23
Brake Fluids	26
Power Steering Fluids	27
Tractor Transmission Fluids	28
Hydraulic Fluids	34
Greases	36

02



Product	Low SAPS	High SAPS	ACEA	API	Base Oil	Fuel Economy
Q8 Terra 8000 Long Drain FE 10W-30	✓		E6/E7/E8/E9/E11	CK-4	Synthetic	>=3.5
Q8 Terra 8000 Long Drain FE 5W-30	✓		E6/E7/E8/E9/E11	CK-4	Synthetic	>=3.5
Q8 Terra 8000 Long Drain 10W-40	✓		E6/E7/E8/E9/E13	CK-4	Synthetic	>=3.5
Q8 Terra 7000 FE 10W-30	✓		E7/E9/E11	CK-4	Synthetic	>=3.5
Q8 Terra 7000 10W-40	✓		E9	CK-4	Synthetic	>=3.5
Q8 Terra 7000 15W-40	✓		E7/E9/E11	CK-4	Synthetic	>=3.5
Q8 Terra 6600 S 10W-40		✓	E4/E7	CI-4	Synthetic	>=3.5
Q8 Terra 6600 10W-40		✓	E4/E7	CI-4	Synthetic	>=3.5
Q8 Terra 6000 10W-40		✓	E7	CI-4	Synthetic	>=3.5
Q8 Terra 6000 15W-40		✓	E7	CI-4	Mineral	>=3.5

Q8 Terra 8000 LONG DRAIN FE 10W-30

Synthetic UHPD engine oil for ACEA E6/E7/E8/E9/E11

Specifications, Approvals & Recommendations

ACEA E11	Cummins CES 20086	Komatsu KES 07.851.2
ACEA E9	DTFR 15C100	MAN M 3677
ACEA E7	DTFR 15C110	MAN M 3775
ACEA E8	DTFR 15C120	MB 226.9
ACEA E6	DTFR 15D100	MTU Type 2.1
API CJ-4	Detroit Diesel DFS 93K218	MTU Type 3.1
API SN	Detroit Diesel DFS 93K222	Mack EO-S 4.5
API CK-4	Deutz DQC IV-18 LA	Renault RLD-3
Caterpillar ECF-3	JASO DH-2	Volvo VDS-4
Cummins CES 20081	Komatsu EOS10W30-LA	Volvo VDS-4.5

Q8 Terra 8000 LONG DRAIN FE 5W-30

Synthetic UHPD engine oil for ACEA E6/E7/E8/E9/E11

Specifications, Approvals & Recommendations

ACEA E11	DTFR 15C120	MAN M 3677
ACEA E6	DTFR 15D100	MAN M 3691
ACEA E7	Detroit Diesel DFS 93K222	MAN M 3775
ACEA E8	Deutz DQC IV-10 LA	MB 226.9
ACEA E9	Deutz DQC IV-18 LA	MTU Type 3.1
API CK-4	Ford M2C213-A1	Mack EO-S 4.5
Case New Holland MAT 3521	Iveco 18-1804 TLS E6	Renault RGD
Caterpillar ECF-3	Iveco 18-1804 TLS E9	Renault RLD-3
Cummins CES 20081	Iveco 18-1809 NG2	Renault RLD-4
Cummins CES 20086	JASO DH-2	Renault RLD-5
DAF Extended Drain	Komatsu KES 07.851.2	Renault RXD
DAF PSQL 2.1E	Liebherr LH-00-ENG LA	Volvo CNG
DAF PSQL 2.1E LD	Liebherr LH-00-ENG5C LA	Volvo VDS-4.5
DTFR 15C100	MAN M 3271-1	Volvo VDS-5
DTFR 15C110	MAN M 3477	

Q8 Terra 8000 LONG DRAIN 10W-40

Synthetic UHPD engine oil for ACEA E6/E7/E8/E9/E11

Specifications, Approvals & Recommendations

ACEA E11	Cummins CES 20086	Liebherr LH-00-ENG3A LA
ACEA E9	DTFR 15C100	Liebherr LH-00-ENG5C LA
ACEA E7	DTFR 15C110	MAN M 3271-1
ACEA E8	DTFR 15C120	MAN M 3477
ACEA E6	Detroit Diesel DFS 93K218	MAN M 3575
API CJ-4	Detroit Diesel DFS 93K222	MAN M 3775
API SN	Deutz DQC III-18 LA	MTU Type 3.1
API CK-4	Deutz DQC IV-18 LA	Mack EO-O Premium Plus
Allison TES-439	JASO DH-2	Mack EO-S 4.5
Case New Holland MAT 3571	John Deere JDQ 78X	Renault RLD-3
Caterpillar ECF-3	Komatsu KES 07.851.2	Volvo VDS-4.5
Cummins CES 20081	Liebherr LH-00-ENG LA	

Q8 Terra 7000 FE 10W-30

Synthetic engine oil for ACEA E9/E11 and API CK-4

Specifications, Approvals & Recommendations

ACEA E11	Cummins CES 20086	MAN M 3271-1
ACEA E9	DTFR 15C100	MAN M 3575
ACEA E7	Detroit Diesel DFS 93K218	MAN M 3775
API CJ-4	Detroit Diesel DFS 93K222	MTU Type 2.1
API SN	Deutz DQC III-18 LA	Mack EO-O Premium Plus
API CK-4	Ford M2C171-F1	Mack EO-S 4.5
Allison TES-439	JASO DH-2	Renault RLD-3
Caterpillar ECF-3	Komatsu EOS10W30-LA	Volvo VDS-4
Cummins CES 20081	Komatsu KES 07.851.2	Volvo VDS-4.5

Q8 Terra 7000 10W-40

Synthetic engine oil for ACEA E9/E11 2022 and API CK-4

Specifications, Approvals & Recommendations

ACEA E11	Cummins CES 20081	Liebherr LH-00-ENG3A LA
ACEA E9	Cummins CES 20086	MAN M 3575
ACEA E7	DTFR 15C100	MAN M 3775
API CJ-4	Detroit Diesel DFS 93K218	MTU Type 2.1
API SN	Detroit Diesel DFS 93K222	Mack EO-O Premium Plus
API CK-4	Deutz DQC III-18 LA	Mack EO-S 4.5
Allison TES-439	Ford M2C171-F1	Renault RLD-3
Case New Holland MAT 3521	JASO DH-2	Valtra S-Series
Case New Holland MAT 3571	John Deere JDQ 78X	Volvo VDS-3
Caterpillar ECF-3	Komatsu KES 07.851.2	Volvo VDS-4.5

Q8 Terra 7000 15W-40

Synthetic engine oil for ACEA E9/E11 and API CK-4

Specifications, Approvals & Recommendations

ACEA E11	Cummins CES 20081	Liebherr LH-00-ENG3A LA
ACEA E9	Cummins CES 20086	MAN M 3575
ACEA E7	DTFR 15C100	MAN M 3775
API CJ-4	Detroit Diesel DFS 93K218	MTU Type 2.1
API SN	Detroit Diesel DFS 93K222	Mack EO-O Premium Plus
API CK-4	Deutz DQC III-18 LA	Mack EO-S 4.5
Allison TES-439	Ford M2C171-F1	Renault RLD-3
Case New Holland MAT 3522	JASO DH-2	Volvo VDS-3
Case New Holland MAT 3572	John Deere JDQ 78X	Volvo VDS-4.5
Caterpillar ECF-3	Komatsu KES 07.851.2	

Q8 TERRA 6600 S 10W-40

Synthetic UHPD engine oil for ACEA E4 and SCANIA LDF-3

Specifications, Approvals & Recommendations

ACEA E4	Cummins CES 20078	MAN M 3277
ACEA E7	DTFR 15B120	MTU Type 3
API CI-4	Deutz DQC IV-18	Mack EO-N
Case New Holland MAT 3507	JASO DH-1	Renault RLD-2
Case New Holland MAT 3622	Komatsu KES 07.851.1	Tedom 258-4
Cummins CES 20077	Liebherr LH-00-ENG5C	Volvo VDS-3

Q8 Terra 6600 10W-40

Synthetic engine oil for ACEA E4/E7 and API CI-4

Specifications, Approvals & Recommendations

ACEA E4	Cummins CES 20078	MAN M 3277
ACEA E7	DTFR 15B120	MTU Type 3
API CI-4	Deutz DQC IV-18	Mack EO-N
Case New Holland MAT 3507	Global DHD-1	SDMO - Kohler KD engine series K135 & K175
Case New Holland MAT 3622	JASO DH-1	Tedom 258-4
Caterpillar ECF-1a	Komatsu KES 07.851.1	Volvo VDS-3
Cummins CES 20077	Liebherr LH-00-ENG5C	

Q8 Terra 6000 10W-40

Synthetic-based engine oil for ACEA E7 and API CI-4

Specifications, Approvals & Recommendations

ACEA E7	Cummins CES 20072	Komatsu KES 07.851.1
API CI-4	Cummins CES 20076	MAN M 3275-1
API SL	Cummins CES 20077	MTU Type 2
Case New Holland MAT 3507	Cummins CES 20078	Mack EO-N
Case New Holland MAT 3622	DTFR 15B110	Renault RLD-2
Caterpillar ECF-1a	Deutz DQC III-18	Tedom 258-3
Caterpillar ECF-2	Global DHD-1	Volvo VDS-3
Cummins CES 20071	John Deere JDQ 78A	

Q8 Terra 6000 15W-40

Engine oil for ACEA E7 and API CI-4

Specifications, Approvals & Recommendations

ACEA E7	Cummins CES 20072	MTU Type 2
API CI-4	Cummins CES 20076	Mack EO-N
API SL	DTFR 15B110	Renault RLD-2
Case New Holland MAT 3507	Deutz DQC III-18	SDMO - Kohler KD engine series K135 & K175
Case New Holland MAT 3622	Global DHD-1	Tedom 258-3
Caterpillar ECF-1a	John Deere JDQ 78A	Volvo VDS-3
Caterpillar ECF-2	Komatsu KES 07.851.1	ZF TE-ML 07C
Cummins CES 20071	MAN M 3275-1	

* Achieved approval ** Pending approval *** Coming soon

Q8Oils portfolio of Heavy Duty Engine Oils

offers a wide choice of qualities:


Fuel saving

The Q8 Terra range offers fuel savings of 0,5% up to 3,5% in on- and off-highway applications.


Low SAPS

The Q8 Terra range is based on low SAPS technology. This gives the required protection for after treatment system like DPF, EGR and SCR.


Durability and wear protection

The Q8 Terra range offers long drain and high oxidation stability and wear protection.

Automatic Transmission Fluids



Automatic Transmission Fluids



Q8 Oils

Product	Base Oil
Q8 Auto ATF 668A - To be introduced	Synthetic
Q8 Auto D VI	Synthetic
Q8 Auto 26 R	Synthetic
Q8 Auto 15 S	Synthetic
Q8 Auto 15 ED	Synthetic
Q8 Auto 14	Synthesized
Q8 Auto 16	Synthetic

Q8 Auto ATF 668A***

Synthetic automatic transmission fluid for Allison TES-668

Specifications	Approvals	Recommendations
	Allison TES-668**	

Q8 Auto D VI

Synthetic automatic transmission fluid for GM Dexron VI

Specifications	Approvals	Recommendations
BMW/MINI T-IV Volvo 97342 (AT 102)	GM Dexron III H GM Dexron VI	<p>AML Oil No. 4G43A9A509/AA/S ATF RED 1 ATF RED 1K Acura ATF-Z1 Aisin Warner JWS 3309 (T-IV) Aisin Warner JWS 3324 (WS) Aisin Warner JWS AW-1 Aisin Warner JWS AW-2 Allison C-3 Allison C-4 Allison TES-389 Allison TES-468 American Motors ATF +3 (MS7176-E) Bosch TE-ML 09 Caterpillar TO-2 Ford ATF C-ML5 Ford EAP -M2C166H Ford FNR5 Ford JWS 3309 Ford M2C138-CJ Ford M2C166-H Ford M2C922-A1 Ford M2C924-A (XT-8-QAW) Ford M2C938-A (Mercon LV) Ford Mercon Ford XL-12 Ford XT-2-QDX (M) Ford XT-2-QSM (S) Ford XT-6-DSP Ford XT-8-QAW Ford XT-9-QMM5 Fuso ATF-A4 Fuso ATF-II Fuso ATF-SPIII GM AW1 GM Dexron II GM Dexron II D GM Dexron II E GM Dexron III GM Dexron III F GM Dexron III G GM TASA GM Transfer Case (Auto Trak II) Hino Blue Ribon ATF Idemitsu K17 3100 PL085 Isuzu ATF WSI Isuzu Besco 08200-9001 Isuzu Besco ATF SP Isuzu Besco ATF-II</p> <p>Isuzu Besco ATF-III JASO M315 Type 1A JASO M315 Type 1A LV JASO M315 Type 2A Lexus JWS 3309 MAN 339 Type A MB 236.12 MB 236.14 MB 236.15 MB 236.17 DTFR 38B100 MB ZF 4HP20 Renault DPO/AL4 Renault Matic D2 Renault Samsung SATF-D Vickers I-286-S Vickers M2950-S Voith H55.6335.xx Voith Svc Bltn #013 Voith Svc Bltn #118 Volvo 97325 Volvo 97335 Volvo 97342 (AT 102) Volvo CE 97340 Volvo P/N 1161521 Volvo P/N 1161540 Volvo P/N 1161621 Volvo P/N 1161640 Volvo P/N 31256675 Volvo P/N 31256774 ZF 3HP ZF 4HP ZF 5HP ZF 6HP ZF 8HP ZF 9HP ZF LifeguardFluid 5 ZF LifeguardFluid 6 ZF LifeguardFluid 6 Plus ZF LifeguardFluid 8 ZF No. S671 090 170 (LGF 5) ZF No. S671 090 281 (LGF 6 plus) ZF No. S671 090 312 (LGF 8) ZF No. S671 090 255 (LGF 6) ZF TE-ML 05L ZF TE-ML 09 ZF TE-ML 11A ZF TE-ML 11B ZF TE-ML 21L</p>



Q8 Auto 26 R

Synthetic automatic transmission fluid

Specifications	Approvals	Recommendations
	Voith 3.90 -8e_ 1997	Voith Hydrodynamic brakes Voith Turbo 3625-006072 (Type S/TP/DTP/VIR) Voith Turbo 3625-006073 (Type R) Voith Turbo Couplings

Q8 Auto 15 S

Synthetic automatic transmission fluid with extended drain capability

Specifications	Approvals	Recommendations
	Voith H55.6336.xx ZF TE-ML 16S ZF TE-ML 20C ZF TE-ML 25C	Allison TES-295 Allison TES-389 Allison TES-468 GM Dexron III G Iveco 18-1807 AG3/I Iveco 18-1807 AG3/IV MAN 339 Type V2 MAN 339 Type Z3 DTFR 13C180 Voith US SB 013/118 ZF TE-ML 14C

Q8 Auto 15 ED

Synthetic automatic transmission fluid with extended drain capability

Specifications	Approvals	Recommendations
	MAN 339 Type L1 MAN 339 Type V2 MAN 339 Type Z2 Voith H55.6336.xx Voith US SB 013/118 Volvo 97341 (AT 101) ZF TE-ML 04D ZF TE-ML 14B DTFR 13C170**	Allison C-4 Allison TES-389 Chrysler ATF+3 Ford Mercon GM ATF Type A (Suffix A) GM Dexron III GM Dexron III G GM Dexron III H MB 236.10 DTFR 13C110 MB 236.5 Voith H55.6335.xx ZF 4HP ZF 6HP ZF TE-ML 02F ZF TE-ML 03D ZF TE-ML 09 ZF TE-ML 16L ZF TE-ML 17C



Q8 Auto 14

Automatic transmission fluid for various heavy duty applications

Specifications	Approvals	Recommendations
Ford M2C138-CJ Ford M2C166-H Ford M2C185-A Ford M2C186-A Ford SQM-2C9010-A Ford SQM-2C9010-B GM 6137M	MAN 339 Type L2 MAN 339 Type V1 MAN 339 Type Z1 Voith H55.6335.xx Voith US SB 013/118 ZF TE-ML 04D ZF TE-ML 14A	Allison C-4 Caterpillar TO-2 Chrysler MS-6704A Clark TLC-25 3M 8-83 GM Dexron II D Iveco 18-1807 AG2 Komatsu Dresser B22-0004 DTFR 13C100 MB 236.5 DTFR 13C140 VME Americas EEMS 19088G Volvo 97325 Volvo 97335 Volvo 97340 ZF TE-ML 02F ZF TE-ML 03D ZF TE-ML 09 ZF TE-ML 17C

Q8 Auto 16

Synthetic automatic transmission fluid

Specifications	Approvals	Recommendations
		Ford M2C33-F Ford M2C33-G Ford SQM-2C9007-AA John Deere JDM J21A Volvo 97301 Volvo 97330

Axle & Gear Oils



Product	API	Gear	Axle	LS	Base Oil
Q8 Trans XGS 75W-90	GL-4/GL-5	✓	✓		Synthetic
Q8 Trans XGN 75W-90	GL-4/GL-5	✓	✓		Synthetic
Q8 Axle Oil XG 80W-140	GL-4/GL-5		✓		Synthetic
Q8 Axle Oil TP 80W-90	GL-5		✓	✓	Synthetic
Q8 T 45 LS 85W-140	GL-5		✓	✓	Mineral
Q8 T 45 LS 90	GL-5		✓	✓	Synthetic
Q8 T 55 80W-90	GL-5		✓		Mineral
Q8 T 55 85W-140	GL-5		✓		Mineral
Q8 T 65 75W-90	GL-5		✓		Synthetic
Q8 T 65 LS 75W-90	GL-5		✓	✓	Synthetic
Q8 Gear Oil XG 80W-90	GL-4/GL-5	✓	✓		Synthetic

Q8 Trans XGS 75W-90

Full synthetic total driveline SAE J2360 transmission fluid

Specifications	Approvals	Recommendations
API GL-4 API GL-5 API MT-1 MIL L-2105D MIL PRF-2105E Scania STO 1:1 G** Scania STO 1:0 Scania STO 2:0 A FS	DTFR 12B140** MAN 341 Type Z2 MAN 342 Type S1 SAE J 2360 Volvo 97312 ZF TE-ML 02B ZF TE-ML 05A ZF TE-ML 12L ZF TE-ML 12N ZF TE-ML 16F ZF TE-ML 17B ZF TE-ML 19C ZF TE-ML 21A	DTFR 12B100 Detroit Diesel DFS 93K219.01 Ferrari GL-4 Ferrari GL-5 Iveco 18-1805 RAS1 MAN 341 Type E3 MAN 341 Type GA1 MAN 342 Type M2 MAN 342 Type M3 Mack GO-J Scania STO 2:0 G VAG VW G 052 911 ZF TE-ML 24A

Q8 Trans XGN 75W-90

Full synthetic total driveline SAE J2360 transmission fluid

Specifications	Approvals	Recommendations
API GL-4 API GL-5 API MT-1 MIL PRF-2105E SAE J 2360		Iveco 18-1805 RAS1 MAN 341 Type E3 MAN 341 Type Z2 MAN 342 Type M3 MAN 342 Type S1 DTFR 12B140 Scania STO 1:0 Scania STO 1:1 G Scania STO 2:0 A Scania STO 2:0 G Volvo 97312 ZF TE-ML 02B ZF TE-ML 05A ZF TE-ML 12L ZF TE-ML 12N ZF TE-ML 16F ZF TE-ML 17B ZF TE-ML 19C ZF TE-ML 21A

Q8 Axle Oil XG 80W-140

Advanced SAE J2360 axle fluid

Specifications	Approvals	Recommendations
API GL-4 API GL-5 API MT-1 MIL PRF-2105E SAE J 2360 Scania STO 1:0	ZF TE-ML 05A ZF TE-ML 12M ZF TE-ML 16D ZF TE-ML 21A	

Q8 Axle Oil TP 80W-90

Advanced API GL-5 axle fluid for hypoid gears, rear axles and final drives

Specifications	Approvals	Recommendations
API GL-5 LS		John Deere JDM J20C John Deere JDQ-96

Q8 T 45 LS SAE 85W-140

API GL-5 limited slip axle fluid

Specifications	Approvals	Recommendations
API GL-5 LS MIL L-2105D		Ford M2C119-A Ford M2C154-A GM 1942382 (90006326) Hanomag Specification 511 Volvo 97311 ZF TE-ML 05C ZF TE-ML 12C ZF TE-ML 16E ZF TE-ML 21C

Q8 T 45 LS SAE 90

API GL-5 limited slip axle fluid

Specifications	Approvals	Recommendations
API GL-5 LS MIL L-2105B	ZF TE-ML 05C ZF TE-ML 21C	Ford M2C119-A Ford M2C154-A GM 1942382 (90006326) GM 1942387 Hanomag Specification 511 Volvo 97311 ZF TE-ML 12C ZF TE-ML 16E

Q8 T 55 80W-90

API GL-5 axle fluid

Specifications	Approvals	Recommendations
API GL-5 British Ministry of Defence CS 3000B MIL L-2105B MIL L-2105D	ZF TE-ML 16B ZF TE-ML 17B ZF TE-ML 19B ZF TE-ML 21A	Case MS 1316 Clark ALC-1 5M 7-80 KE Clark MS-8 Rev. 1 Clark TLC-25 3M 8-83 Eaton/Fuller Bulletin 2052 Eaton/Fuller Bulletin 2053 Eaton/Fuller Bulletin 6007 Eaton/Fuller Form 121 Ford SM-2C-1011A Ford SQM-2C9002-AA GM 8863370 Iveco 18-1805 RAM1 John Deere JDM J11D John Deere JDM J11E Komatsu Dresser B22-0003 Komatsu Dresser B22-0005 MAN 342 Type M1 DTFR 12B140 Rockwell International O-76 VME Americas EEMS 19003F Volvo 97310 ZF TE-ML 05A ZF TE-ML 07A ZF TE-ML 12A ZF TE-ML 16C

Q8 T 55 85W-140

API GL-5 axle fluid

Specifications	Approvals	Recommendations
API GL-5 British Ministry of Defence CS 3000B MIL L-2105B MIL L-2105D	ZF TE-ML 16D ZF TE-ML 21A	Case MS 1316 Clark ALC-1 5M 7-80 KE Clark MS-8 Rev. 1 Clark TLC-25 3M 8-83 Eaton/Fuller Bulletin 2052 Eaton/Fuller Bulletin 2053 Eaton/Fuller Bulletin 6007 Eaton/Fuller Form 121 Ford SM-2C-1011A Ford SQM-2C9002-AA GM 8863370 Iveco 18-1805 RAM2 John Deere JDM J11D John Deere JDM J11E Komatsu Dresser B22-0003 Komatsu Dresser B22-0005 MAN 342 Type M1 DTFR 12B100 Rockwell International O-76 VME Americas EEMS 19003F Volvo 97310 ZF ZF TE-ML 05A ZF TE-ML 07A ZF TE-ML 12A ZF TE-ML 16B ZF TE-ML 16C ZF TE-ML 17B ZF TE-ML 19B

Q8 T 65 75W-90

Synthetic API GL-5 axle fluid

Specifications	Approvals	Recommendations
API GL-5	Tatra TDS 100/40**	Clark ALC-1 5M 7-80 KE Clark TLC-25 3M 8-83 Eaton/Fuller Bulletin 2052 Eaton/Fuller Bulletin 2053 Eaton/Fuller Bulletin 6007 Eaton/Fuller Form 121 Ford M2C175-A Ford M2C210-A GM 1940759 (90188629) DTFR 12B100 Rockwell International O-76-E Volvo 97312 (<2013) ZF TE-ML 05A ZF TE-ML 07A ZF TE-ML 12A ZF TE-ML 17B

Q8 T 65 LS 75W-90

Synthetic API GL-5 limited slip axle fluid

Specifications	Approvals	Recommendations
API GL-5 LS MIL L-2105D Volvo 97311		Fiat 9.55550-DA9 Ford M2C119-A Ford M2C154-A GM 1942382 (90006326) Hanomag Specification 511 VAG VW G 055 145 ZF TE-ML 05D ZF TE-ML 12D ZF TE-ML 21C

Q8 Gear Oil XG 80W-90

Advanced gear and axle fluid for SAE J2360

Specifications	Approvals	Recommendations
API GL-4 API GL-5 SAE J 2360 Scania STO 1:0	MAN 341 Type Z2 MAN 342 Type M2 ZF TE-ML 02B ZF TE-ML 05A ZF TE-ML 12L ZF TE-ML 12M ZF TE-ML 16B ZF TE-ML 17H ZF TE-ML 19C ZF TE-ML 21A	API MT-1 Iveco 18-1807 MG Iveco 18-1807 MGM MAN 341 Type E2 ZF TE ML 07A ZF TE-ML 17B

Coolants



Product	Type	Colour
Q8 Antifreeze OAT-2	OAT	Orange
Q8 Antifreeze LL Premixed	OAT	Orange
Q8 Antifreeze Extended Life Premixed	OAT	Blue-Green
Q8 Antifreeze Extended Life	OAT	Blue-Green (Dark)
Q8 Antifreeze LL	OAT	Orange
Q8 Antifreeze Lobrid	SI-OAT	Magenta (Dark)
Q8 Antifreeze Lobrid Premixed	SI-OAT	Magenta (Light)

Q8 Antifreeze OAT-2

Outstanding antifreeze with long-life properties based on OAT technology

Specifications, Approvals & Recommendations

Volvo Construction Equipment VCS-2**	UNE 26-361-88/1	Jaguar Land Rover
Volvo Penta VCS-2**	Case New Holland	Komatsu KES 07.892
Volvo Trucks VCS-2**	Case New Holland MAT 3624	MAN 324 Type SNF
ASTM D 3306	Caterpillar GCM34	DTR 29C110
ASTM D 6210	Deutz DQC CB-14	DTR 29D110
GB 29743-2013	Fiat 9.55523	VAG VW TL 774 D (G12)
JIS K 2234	Ford M97B44-D	VAG VW TL 774 F (G12+)

Q8 Antifreeze Long Life Premixed

Superior premixed long life antifreeze based on OAT technology

Specifications, Approvals & Recommendations

MAN 324 Type SNF*	MAN B&W AG D36 5600	Fendt
Cummins CES 14439*	MIL-Belgium BT-PS-606 A	Fendt
Cummins IS series U N14*	MIL-France DCSEA 615/C	Fiat 9.55523
ASTM D 3306	MIL-Italy E/L-1415b	Ford M97B44-E
ASTM D 4656	MIL-Norway FS 6850-0951	Great Wall
ASTM D 4985	MIL-Sweden FSD 8704	Hitachi
ASTM D 6210	MWM 0199-99-2091/12	Isuzu
Afnor NF R 15-601	Mack 014 GS 17009	Karosa
Bergen engines 2.13.01	Mazda MEZ MN 121 D	Kobelco
Case New Holland MAT 3624	Mitsubishi MHI	MB 326.3
Claas	NATO S-759	Opel/Vauxhall GMW 3420
DAF 74002	Renault 41-01-001/S Type D	Proton
Deutz DQC CB-14	SACM Diesel DLP799861	SEMT Pielstick
FVV Heft R 443	SAE J 1034	Saab B 040 1065
Ford M97B44-D	UNE 26-361-88/1	Sanata Motors
Foton Q-FPT 2313005-2013	VAG VW TL 774 D (G12)	Tedom
INNIO Jenbacher TA 1000-0201	VAG VW TL 774 F (G12+)	Thermo King
JIS K 2234	Waukesha	VAG Škoda 61-0-0257
Jaguar Land Rover STJLR.651.5003 (CMR 8229)	Wärtsilä	Valtra
John Deere JDM H5	Önorm V5123	Van Hool
KSM 2142	Aston Martin	Volvo Volvo Penta
Komatsu KES 07.892	BS 6580	Volvo Construction Equipment
Leyland Trucks DW03245403	Behr	Volvo Penta
Liebherr MD1-36-130	Cummins CES 14603	Volvo Trucks
	Detroit Diesel 93K217	Yanmar

Q8 Antifreeze Extended Life Premixed

Premixed engine coolant based on OAT technology

Specifications, Approvals & Recommendations

AS 2108-2004	CUNA NC 956-18 (Except RA)	UNE 26-361-88/1
ASTM D 3306	GB 29743-2013	
CUNA NC 956-16	SAE J 1034	

Q8 Antifreeze Extended Life

Concentrated engine coolant based on OAT technology

Specifications, Approvals & Recommendations

AS 2108-2004	CUNA NC 956-18 (Except RA)	UNE 26-361-88/1
ASTM D 3306	GB 29743-2013	
CUNA NC 956-16	SAE J 1034	

Q8 Antifreeze Long Life

Superior long life antifreeze based on OAT technology

Specifications, Approvals & Recommendations

Deutz DQC CB-14*	Liebherr MD1-36-130	Behr
MAN 324 Type SNF*	MAN B&W AG D36 5600	Caterpillar
Tedom*	MIL-Belgium BT-PS-606 A	Claas
ASTM D 3306	MIL-France DCSEA 615/C	Fendt
ASTM D 4656	MIL-Italy E/L-1415b	Fiat 9.55523
ASTM D 4985	MIL-Norway FS 6850-0951	Ford M97B44-E
ASTM D 6210	MIL-Sweden FSD 8704	Great Wall
Afnor NF R 15-601	MTU MTL 5048	Hitachi
Bergen engines 2.13.01	MWM 0199-99-2091/12	Isuzu
Case New Holland MAT 3624	Mack 014 GS 17009	Karosa
Cummins CES 14439	Mazda MEZ MN 121 D	Kobelco
Cummins CES 14603	Mitsubishi MHI	MB 325.3
DAF 74002	NATO S-759	Proton
Detroit Diesel 93K217	Opel/Vauxhall GMW 3420	SEMT Pielstick
FVV Heft R 443	Renault 41-01-001/S Type D	Sanata Motors
Ford	SACM Diesel DLP799861	Thermo King
Ford M97B44-D	SAE J 1034	VAG VW TL 774 F (G12+)
Foton Q-FPT 2313005-2013	Saab B 040 1065	Valtra
JIS K 2234	UNE 26-361-88/1	Van Hool
Jaguar Land Rover STJLR.651.5003 (CMR 8229)	VAG VW TL 774 D (G12)	Volvo Volvo Penta
John Deere JDM H5	VAG Škoda 61-0-0257	Volvo Construction Equipment
KSM 2142	VW/Audi TL-774 D= G12	Volvo Penta
Komatsu KES 07.892	Volvo Trucks	Waukesha
Leyland Trucks DW03245403	Wärtsilä	Yanmar
	Aston Martin	Önorm V5123
	BS 6580	

Q8 Antifreeze Lobrid

Exceptional lobrid antifreeze based on a hybrid Si-OAT technology

Specifications, Approvals & Recommendations

ASTM D 3306	Cummins CES 14603	MB 325.6
ASTM D 4985	Cummins CES 14603	MTU MTL 5048
BS 6580	Deutz DQC CC-14	SAE J 1034
Bentley VW TL 774 G (G12++)	JIS K 2234	Scania TB 1451
Bugatti VW TL 774 G (G12++)	Lamborghini VW TL 774 G (G12++)	VAG VW TL 774 G (G12++)
CUNA NC 956-16	Liebherr LH-01-COL3A	Önorm V5123
China GB 29743-2013	MAN 324 Type Si-OAT	

Q8 Antifreeze Lobrid Premixed

Exceptional lobrid antifreeze based on a hybrid Si-OAT technology

Specifications, Approvals & Recommendations

ASTM D 3306	Deutz DQC CC-14	Porsche VW TL 774 G (G12++)
ASTM D 4985	JIS K 2234	SAE J 1034
BS 6580	Lamborghini VW TL 774 G (G12++)	SANS 1251:2005
Bentley VW TL 774 G (G12++)	Liebherr LH-01-COL3A	Scania TB 1451
CUNA NC 956-16	MAN 324 Type Si-OAT	VAG VW TL 774 G (G12++)
China GB 29743-2013	MB 326.6	Önorm V5123
Cummins CES 14603	MTU MTL 5048	Škoda VW TL 774 G (G12++)

Brake Fluids



Product	Type
Q8 Brake Fluid DOT 4+	DOT 4

Q8 Brake Fluid DOT 4+

Brake fluid DOT 4+ for hydraulic brake and clutch systems

Specifications, Approvals & Recommendations

FMVSS 116 DOT 3 FMVSS 116 DOT 4	ISO 4925 Class 4 JIS K 2233 Class 4	SAE J 1703 SAE J 1704
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Power Steering Fluids



Product	Type
Q8 CHF 22S	PSF
Q8 LHM+	PSF
Q8 PSF 32S	PSF

Q8 CHF 22S

Synthetic green hydraulic fluid with ultra-high viscosity index (>300)

Specifications, Approvals & Recommendations

DIN 51524-3 HVLP ISO 7308 PSA S71 2710 VAG VW TL 521 46 Volvo STD 1273.36	Fiat 9.55550-SA1 Ford 204-A1 Ford M2C204-A2 MAN M 3289 DTFR 31B120	PSA 9735-EJ Renault PSF Class 1 Volvo P-N 1161529 Volvo P-N 1161529 Volvo WSS-MWC204A
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Q8 LHM+

Synthetic green hydraulic fluid with ultra-high viscosity index (>300)

Specifications, Approvals & Recommendations

ISO 7308 PSA B71 2710

Q8 PSF 32S

Synthetic red power steering fluid with extended drain capabilities

Specifications, Approvals & Recommendations

Bosch TE-ML 09 Fiat 9.55550-AG2 GM Dexron III	Honda PSF-1 Honda PSF-S Honda PSF-V	DTFR 38B100 Volvo 97325
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Tractor Transmission Fluids




Product	Type	Wet Brakes	Hydraulic	Transmission	Engine	Axle
Q8 Terra 4000 UTTO CVT LV 75W-80	CVT		68	75W-85	10W-30	
Q8 Terra 4400 UTTO CVT HF 75W-85	CVT		68	75W-85	10W-30	
Q8 Terra 4000 UTTO CVT 75W-90	CVT	✓	100	80W-90	15W-40	
Q8 Terra 2500 UTTO 70W-80	UTTO	✓	46	75W	10W-20	
Q8 Terra 2200 UTTO 75W-80	UTTO	✓	46-68	75W-80	10W-30	✓
Q8 Terra 2200 UTTO RC 75W-80	UTTO	✓		75W-80	10W-30	✓
Q8 Terra WB Axle 80W-140	WB Axle	✓		80W-140		✓
Q8 Terra 1000 STOU 10W-40	STOU	✓	100	75W-90	10W-40	
Q8 Terra 1000 STOU 10W-30	STOU	✓	68	75W-85	10W-30	
Q8 Terra 1000 STOU 15W-40	STOU	✓			15W-40	
Q8 Terra 3000 WB 80W	WB	✓	68-100	80W		

Product	Type	Wet Brakes	Hydraulic	Transmission	Base Oil
Q8 Terra To-4 10W	TO-4		✓	✓	Synthesized
Q8 Terra To-4 SAE 30	TO-4		✓	✓	Synthesized
Q8 Terra To-4 SAE 50	TO-4		✓	✓	Mineral

Tractor Transmission Fluids



Q8 TERRA 4000 UTTO CVT LV 75W-80

Exceptional synthetic tractor Continuous Variable Transmission fluid

Specifications, Approvals & Recommendations

API GL-4	Komatsu KES 07.866	ZF TE-ML 05F
AGCO CVT ML 200	Kubota UDT	ZF TE-ML 06B
Case MS 1207	Kubota UDT-HD	ZF TE-ML 06D
Case MS 1209	Massey Ferguson CMS M 1135	ZF TE-ML 06E
Case MS 1210	Massey Ferguson CMS M 1141	ZF TE-ML 06F
Case New Holland MAT 3505	Massey Ferguson CMS M 1143	ZF TE-ML 06K
Case New Holland MAT 3525	Massey Ferguson CMS M 1145	ZF TE-ML 06L
Case New Holland MAT 3540	New Holland NH 410-B	ZF TE-ML 06M
Caterpillar SATO	New Holland NH 410-C	ZF TE-ML 06P
Claas CVT	Same Deutz Fahr	ZF TE-ML 06R
Deutz Allis AC Power Fluid 821 XL	Valtra G2-08 (XT-60)	ZF TE-ML 06S
Fendt Vario	Valtra G2-B10 (XT-60+)	ZF TE-ML 06T
John Deere Hygard	ZF TE-ML 06N*	ZF TE-ML 17E
John Deere JDM J20C	ZF TE-ML 03E	ZF TE-ML 21F

Q8 Terra 4400 UTTO CVT HF 75W-85

Synthetic tractor Continuous Variable Transmission fluid with high friction

Specifications, Approvals & Recommendations

API GL-4
Caterpillar TDTO Cold Weather/ TDTO-TMS
Claas AGRISHIFT XE
ZF TE-ML 06H*

Q8 Terra 4000 UTTO CVT 75W-90

Exceptional synthetic tractor Continuous Variable Transmission fluid

Specifications, Approvals & Recommendations

API GL-4	Massey Ferguson CMS M 1145	ZF TE-ML 06F
AGCO CVT ML 200	New Holland NH 410-B	ZF TE-ML 06K
Case New Holland MAT 3505	New Holland NH 410-C	ZF TE-ML 06L
Case New Holland MAT 3506	Same Deutz Fahr	ZF TE-ML 06M
Case New Holland MAT 3525	Valtra G2-08 (XT-60)	ZF TE-ML 06N
Case New Holland MAT 3540	Valtra G2-B10 (XT-60+)	ZF TE-ML 06P
Caterpillar SATO	ZF TE-ML 03E	ZF TE-ML 06R
Claas CVT	ZF TE-ML 05F	ZF TE-ML 06S
Fendt Vario	ZF TE-ML 06B	ZF TE-ML 06T
John Deere JDM J20C	ZF TE-ML 06B	ZF TE-ML 17E
Komatsu KES 07.866	ZF TE-ML 06D	ZF TE-ML 21F
Kubota UDT	ZF TE-ML 06E	

Q8 Terra 2500 UTTO 70W-80

Synthetic transmission and hydraulic oil for extreme working conditions

Specifications, Approvals & Recommendations

API GL-4	FNHA 2-C-201	Massey Ferguson CMS M 1135
Allison C-2	Ford M2C86-B	Massey Ferguson CMS M 1141
Allison C-3	Ford M2C86-C	Massey Ferguson CMS M 1143
Allison C-4	John Deere JDM J20A	Massey Ferguson CMS M 1145
Case MS 1206	John Deere JDM J20B	New Holland NH 410-C
Case MS 1207	John Deere JDM J20C	Renk Doromat 873
Case MS 1209	John Deere JDM J20D	Renk Doromat 874-A
Case MS 1210	Komatsu Dresser B06-0001	Renk Doromat 874-B
Case New Holland MAT 3505	Komatsu Dresser B06-0002	Volvo 97304 (WB 102)
Case New Holland MAT 3525	Kubota Super UDT	ZF TE-ML 03E
Case New Holland MAT 3526	Kubota Super UDT2	ZF TE-ML 03F
Caterpillar TO-2	Kubota UDT	ZF TE-ML 05F
Denison HF-0	Massey Ferguson CMS M 1110	ZF TE-ML 06K
Denison HF-1	Massey Ferguson CMS M 1127-A	
Denison HF-2	Massey Ferguson CMS M 1127-B	

Q8 Terra 2200 UTTO 75W-80

Superior transmission and hydraulic oil for agriculture and construction

Specifications, Approvals & Recommendations

WB 101	Case New Holland MAT 3525	Massey Ferguson CMS M 1135
Volvo 97303	Case New Holland MAT 3540	Massey Ferguson CMS M 1141
ZF TE-ML 05F	Case New Holland MAT 3552-A	Massey Ferguson CMS M 1143
ZF TE-ML 17E	Caterpillar TO-2	Massey Ferguson CMS M 1145
ZF TE-ML 21F	Deutz Allis AC Power Fluid 821 XL	New Holland NH 410-B
API GL-4	FNHA 2-C 200	New Holland NH 410-C
Allison C-4	Ford M2C134-D	Valtra G2-08 (XT-60)
Case MS 1207	Ford M2C48-C2	Valtra G2-B10 (XT-60+)
Case MS 1209	John Deere JDM 3000	Volvo 97302
Case MS 1210	John Deere JDM J20C	White New Idea Q-1802
Case MS 1230	Komatsu KES 07.866	White New Idea Q-1826
Case New Holland MAT 3505	Komatsu Dresser B06-0002	ZF TE-ML 03E
Case New Holland MAT 3506	Kubota Super UDT	ZF TE-ML 03L
Case New Holland MAT 3509	Kubota UDT	ZF TE-ML 06K

Q8 Terra 2200 UTTO RC 75W-80

Excellent transmission and hydraulic oil for agriculture and construction

Specifications, Approvals & Recommendations

WB 101	Caterpillar TO-2	Massey Ferguson CMS M 1145
Volvo 97303	Deutz Allis AC Power Fluid 821 XL	New Holland NH 410-B
API GL-4	FNHA 2-C 200	New Holland NH 410-C
Allison C-4	Ford M2C134-D	Valtra G2-08 (XT-60)
Case MS 1207	Ford M2C48-C2	Valtra G2-B10 (XT-60+)
Case MS 1209	John Deere JDM 3000	Volvo 97302
Case MS 1210	John Deere JDM J20C	White New Idea Q-1802
Case MS 1230	Komatsu KES 07.866	White New Idea Q-1826
Case New Holland MAT 3505	Komatsu Dresser B06-0002	ZF TE-ML 03E
Case New Holland MAT 3506	Kubota Super UDT	ZF TE-ML 03L
Case New Holland MAT 3509	Kubota UDT	ZF TE-ML 06K
Case New Holland MAT 3525	Massey Ferguson CMS M 1135	ZF TE-ML 05F
Case New Holland MAT 3540	Massey Ferguson CMS M 1141	ZF TE-ML 17E
Case New Holland MAT 3552-A	Massey Ferguson CMS M 1143	ZF TE-ML 21F

Q8 Terra WB Axle 80W-140

Premium Tractor Drive Train lubricant

Specifications, Approvals & Recommendations

API GL-4	New Holland NH 600 TR	ZF TE-ML 21F
Case MS 1317	ZF TE-ML 05F	
Case New Holland MAT 3510	ZF TE-ML 06K	

Q8 Terra 1000 STOU 10W-40

Excellent synthetic Super Tractor Universal Oil

Specifications, Approvals & Recommendations

ZF TE-ML 06B	Case MS 1118	Ford M2C41-B
ZF TE-ML 07B	Case MS 1207	John Deere JDM J20C
ACEA E3	Case MS 1209	John Deere JDM J27
API CF-4	Case New Holland MAT 3525	Massey Ferguson CMS M 1127
API GL-4	Caterpillar TO-2	Massey Ferguson CMS M 1139
API SF	DIN 51524-3 HVLDP	Massey Ferguson CMS M 1141
ACEA E7 level of soot control, wear and piston cleanliness	Fendt Vario	Massey Ferguson CMS M 1144
AGCO CVT ML 200	Fiat AF 87	Massey Ferguson CMS M 1145
API CI-4 level of soot control	Ford M2C121-D	Case New Holland NH 410-B
Allison C-3	Ford M2C134-D	Steyr 397 88001
Allison C-4	Ford M2C159-B	
	Ford M2C159-C	

Q8 Terra 1000 STOU 10W-30

Outstanding Super Tractor Universal Oil

Specifications, Approvals & Recommendations

ZF TE-ML 06B	Case MS 1207	Massey Ferguson CMS M 1127
ZF TE-ML 06D	Case MS 1209	Massey Ferguson CMS M 1135
ZF TE-ML 06N	Case New Holland MAT 3525	Massey Ferguson CMS M 1139
ZF TE-ML 07B	Caterpillar TO-2	Massey Ferguson CMS M 1141
API CF-4	Ford M2C121-E	Massey Ferguson CMS M 1144
API GL-4	Ford M2C134-D	Massey Ferguson CMS M 1145
API SF	Ford M2C159-C	New Holland NH 024-C
MIL L-2104D	Ford M2C41-B	New Holland NH 324-B
ACEA E7 level of soot control, wear and piston cleanliness	John Deere JDM J20C	New Holland NH 410-B
API CI-4 level of soot control	John Deere JDM J27	New Holland NH 540-B
Allison C-4	MB 227.1	Same Deutz Fahr
Case MS 1118	MB 228.1	ZF TE-ML 06C
	MB 228.3	

Q8 Terra 1000 STOU 15W-40

Advanced Super Tractor Universal Oil

Specifications, Approvals & Recommendations

API CE	Allison C-4	Massey Ferguson CMS M 1139
API CF	Case New Holland MAT 3525	Massey Ferguson CMS M 1143
API GL-3	Case New Holland MAT 3526	Massey Ferguson CMS M 1144
API GL-4	Ford M2C134-D	Massey Ferguson CMS M 1145
API SF	Ford M2C159-B	New Holland NH 024-C
ACEA E3	Ford M2C159-C	New Holland NH 030-C
ACEA E7 level of soot control, wear and piston cleanliness	John Deere JDM J20C	New Holland NH 410-B
AGCO CVT ML 200	John Deere JDM J27	New Holland NH 420-A
API CI-4 level of soot control	MB 227.1	ZF TE-ML 06B
	Massey Ferguson CMS M 1135	ZF TE-ML 06C

Q8 Terra 3000 WB 80W

Superior transmission and hydraulic fluid for agriculture and construction

Specifications, Approvals & Recommendations

API GL-4	Fiat AF 87	Massey Ferguson CMS M 1141
Allison C-3	Ford M2C86-B	New Holland NH 420-A
Case MS 1207	Komatsu Dresser B06-0002	Same Deutz Fahr UTTO
Case MS 1209	Landini UTTO	Valmet/Volvo BM UTTO
Case UK/David Brown	Massey Ferguson CMS M 1127	
Caterpillar TO-2	Massey Ferguson CMS M 1135	

Q8 Terra TO-4 10W

Transmission fluid for Caterpillar

Specifications, Approvals & Recommendations

ZF TE-ML 03C	DANA	Komatsu Dresser Micro-Clutch
Allison C-4	Eaton/Fuller	Vickers 35VQ25
Caterpillar TO-4	Komatsu KES 07.868.1	

Q8 Terra TO-4 SAE 30

Transmission fluid for Caterpillar

Specifications, Approvals & Recommendations

ZF TE-ML 03C	Caterpillar TO-4	Komatsu KES 07.868.1
ZF TE-ML 07F	DANA	Komatsu Dresser Micro-Clutch
Allison C-4	Eaton/Fuller	

Q8 Terra TO-4 SAE 50

Transmission fluid for Caterpillar

Specifications, Approvals & Recommendations

Allison C-4	Caterpillar TO-4	Komatsu KES 07.868.1
Komatsu Dresser Micro-Clutch	ZF TE-ML 03C	

* Achieved approval ** Pending approval *** Coming soon

The portfolio of Q8 Terra UTTO products

offers durability, efficiency and an environmental

responsible choice.

Class leading Q8 Terra CVT UTTO's

The Q8 Terra CVT UTTO's offer the highest oxidation resistance, even at very high temperatures. Class leading viscosity retention is further improved and over 5 times better versus a market general UTTO.

Environmental Responsibility

The Q8 Terra range focuses on sustainability, offering products that reduce environmental impact by having a lower footprint or a strong handprint. Q8 Terra range is based on the highest quality base oils, including renewable and re-refined base oils. These re-refined base oils meet the same rigorous standards as virgin base oils, ensuring no compromise on quality. This aligns with modern agricultural practices that emphasize environmental stewardship.

Lower operational costs - Total cost of ownership (TCO)

It is important to set targets and check what the hourly maintenance cost is for repairs, replacement of parts, benchmark on failure frequency and cost of downtime for each piece of equipment in terms of lost production. Q8 Terra 4000 CVT LV offers long drain due to a best-in class viscosity retention and gives at the same time an extra fuel economy benefit up to 0,7 % or more.

Hydraulic Fluids



Product	Type	VI	Anti-wear Technology
Q8 Haydn 46	Mono-grade	100	Zinc
Q8 Heller 46	Multi-grade	> 150	Zinc
Q8 Hogarth 46	Multi-grade	> 170	Zinc
Q8 Hindemith LT	Multi-grade	300	Zinc-free
Q8 Holbein Bio Plus 46	Biodegradable	> 170	Zinc-free
Q8 Holbein Bio Long Life 46	Biodegradable	> 170	Zinc-free
Q8 Heinichen 46	Mono-grade	98	Zinc

Q8 Haydn 46

Advanced zinc-based hydraulic oil

Specifications	Approvals	Recommendations
DIN 51524-2 HLP ISO 11158 HM MAG IAS P-68, P-69, P-70 Swedish Standard SS 155434 AM	Denison HF-0, HF-1, HF-2	Bosch Rexroth RE 90220 notes DIN 51517-2 CL Eaton Brochure 03-401-2010

Q8 Heller 46

Advanced zinc-based hydraulic oil

Specifications	Approvals	Recommendations
Afnor DIN 51524-3 HVLP ISO 11158 HV ISO 6743-4 HV		Bosch Rexroth RE 90220 notes Eaton Brochure 03-401-2010

Hydraulic Fluids

Q8 Hogarth 46

Energy efficient hydraulic oil for extreme operational reliability

Specifications	Approvals	Recommendations
DIN 51524-3 HVLP ISO 11158 HV MAG IAS P-68, P-69, P-70 Swedish Standard SS 155434 AV	Denison HF-0, HF-1, HF-2	Bosch Rexroth RE 90220 notes Eaton Brochure 03-401-2010

Q8 Hindemith LT

Exceptional zinc-free hydraulic oil for extreme low temperatures

Specifications	Approvals	Recommendations
DIN 51524-3 HVLP ISO 11158 HV Swedish Defense FSD 8401		Volvo STD 1286.07

Q8 Holbein Bio Plus 46

Synthetic ester-based hydraulic fluid with high biodegradability

Specifications	Approvals	Recommendations
ISO 15380 HEES		Bosch Rexroth RE 90221 notes Swedish Standard SS 155434 BBV 46 Environmentally acceptable

Q8 Holbein Bio Long Life 46

Synthetic ester-based hydraulic fluid with high biodegradability

Specifications	Approvals	Recommendations
ISO 15380 HEES Swedish Standard SS 155434 AAV 46 Environmentally acceptable		Bosch Rexroth RE 90221 notes

Q8 Heinichen 46

Excellent zinc-based hydraulic detergent oil

Specifications	Approvals	Recommendations
DIN 51524-2 HLPD ISO 11158 HM		Bosch Rexroth RE 90220 notes Eaton Brochure 03-401-2010



Product	Base	NLGI-Grade
Q8 Rembrandt EP 00	Lithium	*00
Q8 Rembrandt EP 00 WV	Lithium	*00
Q8 Rembrandt EP 1	Lithium	1
Q8 Rembrandt EP 2	Lithium	2
Q8 Rembrandt Moly 2	Lithium + MoS2	2
Q8 Rubens WB/b	Lithium complex	2
Q8 Multi LCX 2	Lithium/Calcium	2
Q8 Ruysdael WR 2	Anhydrous Calcium	2
Q8 Rodin EP 202	Calcium Sulphonate	2
Q8 Renoir EP 132	Lithium/Calcium	2

Q8 Rembrandt EP 00

Advanced lithium extreme pressure grease

Specifications & Recommendations

DIN 51502 KP00K-30
ISO 6743 L-XCCHB00

Q8 Rembrandt EP 00 WV

Advanced lithium extreme pressure grease

Specifications & Recommendations

DIN 51502 KP00G-30
ISO 6743 L-XCBEB00

Q8 Rembrandt EP 1

Advanced lithium extreme pressure grease

Specifications & Recommendations

DIN 51502 KP1K-30
ISO 6743 L-XCCFB1
Danieli

Q8 Rembrandt EP 2

Advanced lithium extreme pressure grease

Specifications & Recommendations

DIN 51502 KP2K-30
ISO 6743 L-XCCFB2

Q8 Rembrandt Moly 2

Advanced lithium molybdenum grease

Specifications & Recommendations

DIN 51502 KPF2K-30
ISO 6743 L-XCCHB2

Q8 Rubens WB -b

Lithium complex extreme pressure grease

Specifications & Recommendations

ASTM D 4950 GC-LB
DIN 51502 KP2N-30
ISO 6743 L-XCDIB2

Q8 Multi LCX 2

Multi-purpose lithium-calcium grease

Specifications & Recommendations

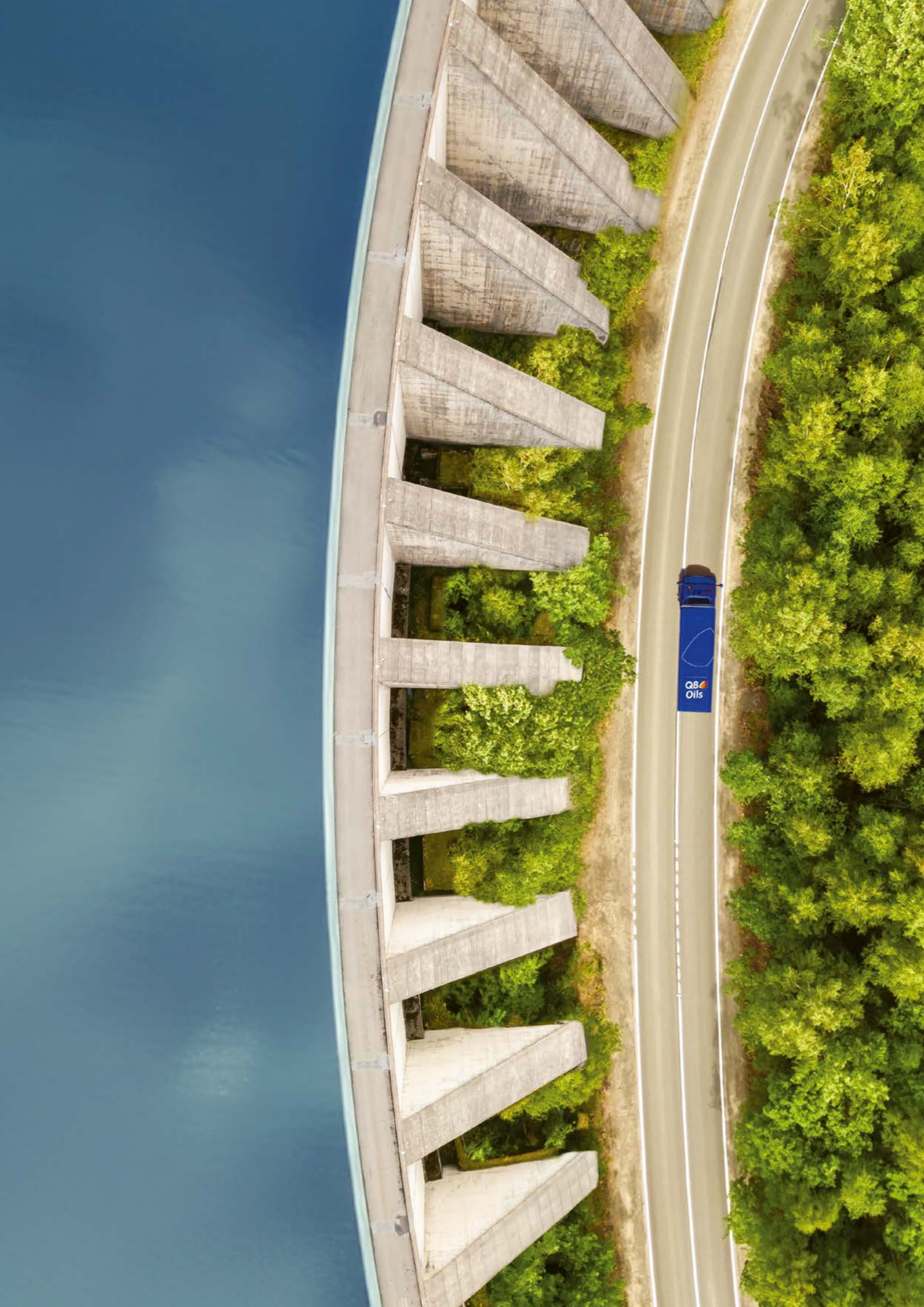
DIN 51502 KP2K-20
ISO 6743 L-XBCDB2

Q8 Ruysdael WR 2

Anhydrous calcium grease with outstanding water resistance

Specifications & Recommendations

DIN 51502 KP2K-20
ISO 6743 L-XBCIB2



AGRICULTURAL APPLICATIONS

Q8Oils Sustainability

Our sustainability commitment 42

Our sustainability commitment



As lubricants play a vital role in keeping the world moving, it is crucial that they are produced responsibly. At Q8Oils, we are dedicated to leading the way in environmental responsibility. For years, we have been dedicated to minimising our environmental impact through sustainable practices, while also supporting our customers to reduce their footprint.



Minimising footprint

Lowering our negative environmental impact

Our goal is to minimise our footprint through product innovation on every component that impacts this footprint, such as relying on renewable energy sources, optimising production processes and using sustainable raw materials.

Product Carbon Footprint

The PCF-value represents the total amount of greenhouse gas emissions associated with the lubricant and is mentioned on every product sheet for full transparency.



Maximising handprint

Enhancing our positive environmental impact

At Q8Oils, we go beyond carbon neutrality. We actively contribute to the sustainability efforts of customers and partners. Our lubricants ensure energy efficiency and extended service life, helping other companies to reduce their carbon footprint.



Reduce friction



Reduce energy consumption



Increase equipment lifetime

Sustainability beyond our products

Shared value and social responsibility are rooted in our values.

We actively engage with the communities in the regions where we operate to foster environmental stewardship and human capital development. Our BeWell program promotes employee well-being through preventive medical check-ups, wellness campaigns, and physical and mental health training.

Partnerships are vital for advancing our Sustainable Development Goals (SDGs). We collaborate with our suppliers to develop sustainable packaging solutions and help to promote responsible industry practices through our partnership with the Union of the European Lubricants Industry (UEIL).

Did you know... we're also committed to sustainability through tree planting and initiatives like World Cleanup Day?



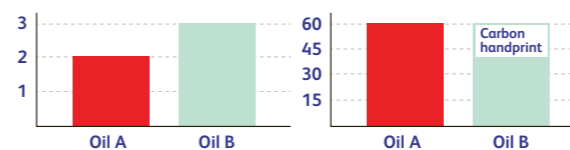
Scan to find out more about We Take Care



Why is PCF Important? (Product Carbon Footprint)

- Evaluation of the PCF includes evaluation of the use phase (= handprint/avoided emissions)
- The product carbon handprint describes the positive environmental impact of the product in use throughout its lifetime.
- Improved focus on the carbon handprint can identify opportunities to reduce the impact on the environment and drive change.

The carbon handprint are the avoided emissions in the use phase of lubricants



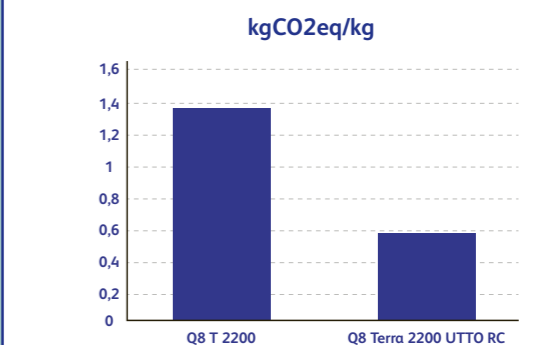
Conclusions

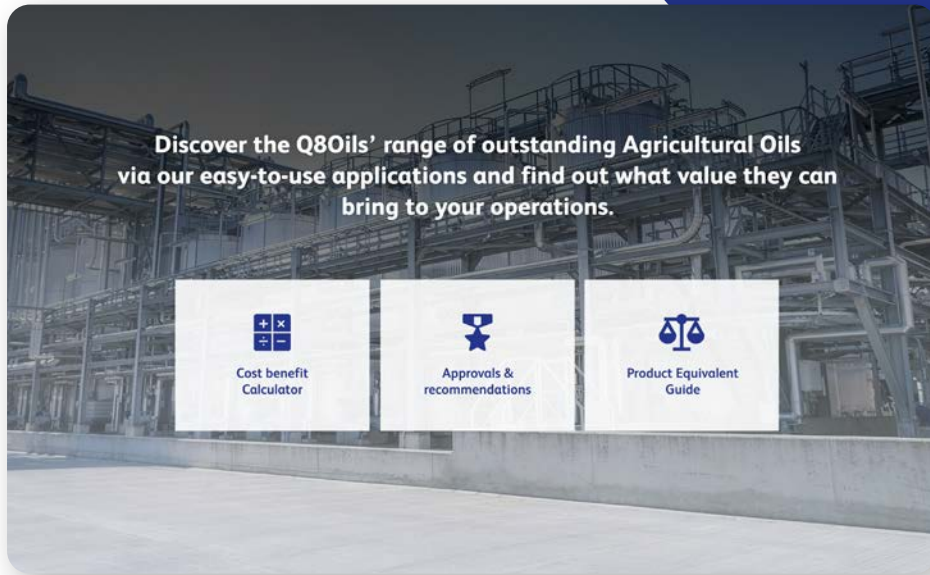
PCF evaluation (Cradle-to-Gate) indicates higher footprint value for product B. After evaluating the use phase, after 10 thousand hours in excavator equipment. The total emissions due to the use of product B are lower.

Product Carbon Footprint Reduction

- Q8Oils introduces their new Q8 Terra 2200 UTTO RC product.
- A unique product, developed by Q8Research, which uses high quality re-refined based base oils, giving an over 50 % lower PCF advantage over its predecessor, the Q8 T 2200, without making any compromises in quality.
- This sustainable version, Q8 Terra 2200 UTTO RC, is WB 101 approved using high quality base oils. This high VI of base oils gives good LTP (Low Temperature Performance) and more stable viscosities under different temperature loads.

Standard Q8 T 2200 versus the re-refined Q8 Terra 2200 UTTO RC





Consult our oil recommendation tool to find out which Q8Oils product is suitable for optimal performance of your vehicle.

<https://tools.Q8Oils.com/>

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