



Heavy duty oils

High performance lubricants
for Heavy Duty Trucks.

Q8 Oils

WWW.Q8OILS.COM



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HEAVY DUTY OILS

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 also tests lubricants for their compliance to standards and even 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 JASO.
- **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.



Certified

ISO 9001, 45001,
ISO 14001, RC14001

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.

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

Q8Oils 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

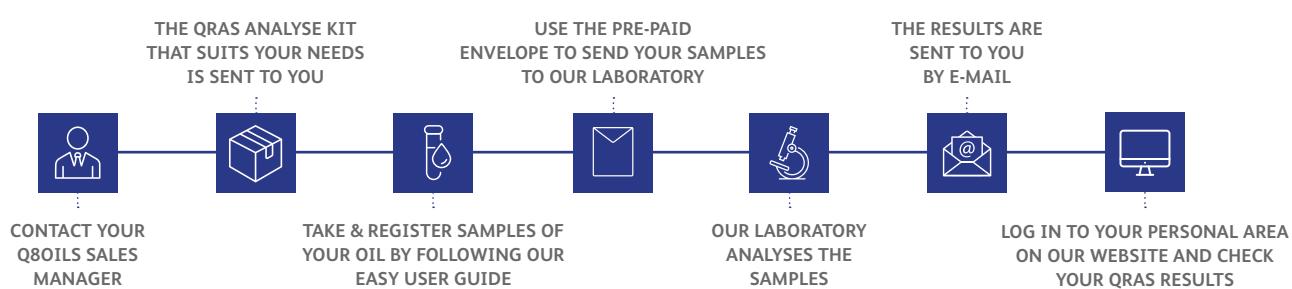
We organize training courses on new products and/or applications, as well as extended introduction sessions for newcomers to the oil market.

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.

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



HEAVY DUTY OILS

Heavy Duty Oils Product range

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Gear Oils	30
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Brake Fluids	36
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Hydraulic Fluids	38
Greases	40

02

Engine Oils




Product	Low SAPS	ACEA	API	Base Oil	Fuel Economy
Q8 Formula Truck 9000 FE 0W-20**	✓			Synthetic	✓
Q8 Formula Truck 9000 FE 5W-20	✓			Synthetic	✓
Q8 Formula Truck 9000 FE 5W-30	✓		FA-4	Synthetic	✓
Q8 Formula Truck 8900 FE 5W-30	✓	E6/E7/E8/E9/E11	CK-4	Synthetic	✓
Q8 Formula Truck 8900 FE 10W-30	✓	E6/E7/E8/E9/E11	CK-4	Synthetic	✓
Q8 Formula Truck 8810 FE 5W-30	✓	E6/E7/E8/E9/E11	CK-4	Synthetic	✓
Q8 Formula Truck 8620 FE 10W-30	✓	E6/E7/E8/E9/E11	CK-4	Synthetic	
Q8 Formula Truck 8620 10W-40	✓	E6/E7/E8/E9/E11	CK-4	Synthetic	
Q8 Formula Truck 8610 10W-40	✓	E6/E7/E8/E9/E11	CK-4	Synthetic	
Q8 Formula Truck 8510 10W-40	✓	E6/E7/E8/E9/E11	CK-4	Synthetic	
Q8 T 904 10W-40	✓	E7/E6/E8	CI-4	Synthetic	
Q8 Formula Truck 7000 FE 10W-30	✓	E7/E9/E11	CK-4	Synthetic	
Q8 Formula Truck 7000 10W-40	✓	E9	CK-4	Synthetic	
Q8 Formula Truck 7000 15W-40	✓	E7/E9/E11	CK-4	Synthetic	
Q8 Formula Truck 6900 FE 5W-30		E4		Synthetic	
Q8 T 860 S 10W-40		E4/E7	CI-4	Synthetic	
Q8 T 860 10W-40		E4/E7	CI-4	Synthetic	
Q8 T 800 10W-40		E7	CI-4	Synthetic	
Q8 T 750 15W-40		E7	CI-4	Mineral	
Q8 T 750 20W-50		E7	CI-4	Mineral	
Q8 T 750 SAE 30		E7	CI-4	Mineral	
Q8 T 520 15W-40			CG-4	Mineral	
Q8 T 520 SAE 10			CG-4	Mineral	

Q8 Formula Truck 9000 FE 0W-20**

Specifications	Approvals	Recommendation
	Daimler Truck AG DTFR 15C140 (MB 228.71)* MAN M 3977* Scania LDF-5*	

Q8 Formula Truck 9000 FE 5W-20

Specifications	Approvals	Recommendation
	MAN M 3977 Scania LDF-5	

Q8 Formula Truck 9000 FE 5W-30

Specifications	Approvals	Recommendation
API FA-4 API SN	Daimler Truck AG DTFR 15C130 (MB 228.61) MB 228.61	Cummins CES 20087 Detroit Diesel DFS 93K223 Ford M2C214-B1 Ford M2C219-A1 JASO DH-2 Renault RLD-5 Volvo VDS-5

Q8 Formula Truck 8900 FE 5W-30

Specifications	Approvals	Recommendation
ACEA E11 ACEA E6 ACEA E7 ACEA E8 ACEA E9 API CJ-4 API CK-4 API SN Iveco 18-1804 TLS E9 JASO DH-2	Cummins CES 20086 Daimler Truck AG DTFR 15C100 (MB 228.31) Daimler Truck AG DTFR 15C110 (MB 228.51) Deutz DQC IV-18 LA MAN M 3677 MB 228.31 MB 228.51 MTU Type 3.1 Mack EO-S 4.5 Renault RLD-3 Scania LDF-4 Volvo VDS-4.5 Daimler Truck AG DTFR 15C120 (MB 228.52)*	Caterpillar ECF-3 Cummins CES 20081 DAF Extended Drain DAF PSQL 2.1E DAF PSQL 2.1E LD Daimler Truck AG DTFR 15D100 (MB 227.61) Detroit Diesel DFS 93K222 Deutz DQC IV-10 LA Ford M2C213-A1 Iveco 18-1804 TLS E6 Iveco 18-1809 NG2 Liebherr LH-00-ENG LA Liebherr LH-00-ENG5C LA MAN M 3271-1 MAN M 3477 MAN M 3691 MAN M 3775 MB 226.9 MB 227.61 Renault RGD Renault RLD-4 Renault RLD-5 Renault RXD Scania LA (Low Ash) Volvo CNG Volvo VDS-5

Q8 Formula Truck 8900 FE 10W-30

Specifications	Approvals	Recommendation
ACEA E11 ACEA E6 ACEA E7 ACEA E9 API CJ-4 API CK-4 API SN Iveco 18-1804 TLS E9 JASO DH-2	Daimler Truck AG DTFR 15C110 (MB 228.51) Daimler Truck AG DTFR 15C120 (MB 228.52) Deutz DQC IV-18 LA MAN M 3677 MAN M 3775 Mack EO-S 4.5 Renault RLD-3 Scania LA (Low Ash) Volvo VDS-4.5	ACEA E8 Caterpillar ECF-1a Caterpillar ECF-2 Caterpillar ECF-3 Cummins CES 20086 DAF Extended Drain DAF PSQL 2.1E DAF PSQL 2.1E LD Daimler Truck AG DTFR 15C100 (MB 228.31) Detroit Diesel DFS 93K222 Liebherr LH-00-ENG LA Liebherr LH-00-ENG3A LA MAN M 3477 MB 226.9 MB 227.61 MTU Type 3.1 Renault RGD Renault RLD-4 Volvo CNG Volvo VDS-3 Volvo VDS-4

Q8 Formula Truck 8810 FE 5W-30

Specifications	Approvals	Recommendation
ACEA E11 ACEA E4 ACEA E6 ACEA E7 ACEA E8 ACEA E9 API CJ-4 API CK-4 Iveco 18-1804 TLS E6 Iveco 18-1804 TLS E9 JASO DH-1 JASO DH-2 Scania LA (Low Ash)	Deutz DQC IV-18 LA MAN M 3677 MAN M 3775 MAN M 3777 MB 228.31 MB 228.51 MB 228.52 MB-Approval 228.31 MB-Approval 228.51 MB-Approval 228.52 Mack EO-S 4.5 Renault RLD-3 Scania LDF-4 Volvo VDS-4.5 MTU Type 3.1*	Caterpillar ECF-3 Cummins CES 20081 Cummins CES 20086 DAF Extended Drain Detroit Diesel DFS 93K218 Detroit Diesel DFS 93K222 Ford M2C213-A1 JASO DL-0 Liebherr LH-00-ENG LA Liebherr LH-00-ENG5C LA MAN M 3271-1 MAN M 3477 MAN M 3575 Mack EO-O Premium Plus Renault RGD Tatra TDS 30/12 Volvo CNG Volvo VDS-4

Q8 Formula Truck 8620 FE 10W-30

Specifications	Approvals	Recommendation
ACEA E11 ACEA E6 ACEA E7 ACEA E8 ACEA E9 API CK-4	Cummins CES 20092 Cummins CES 20100 Cummins CES 20086	Caterpillar ECF-3 Cummins CES 20086 Daimler Truck AG DTFR 15E100 Detroit Diesel DFS 93K222 Deutz DQC IV-18 LA MAN M 3271-1 MAN M 3775 MB 228.51 MB 228.52 MTU Type 2.1 MTU Type 3.1 Mack EO-S 4.5 Renault RGD Renault RLD-3 Renault RXD Volvo CNG Volvo VDS-4.5

Q8 Formula Truck 8620 10W-40

Specifications	Approvals	Recommendation
ACEA E11 ACEA E6 ACEA E7 ACEA E8 ACEA E9 API CK-4	Cummins CES 20092 Cummins CES 20086	Caterpillar ECF-3 Cummins CES 20086 Detroit Diesel DFS 93K222 Deutz DQC IV-18 LA Iveco 18-1809 NG2 MAN M 3271-1 MAN M 3775 MB 226.9 MTU Type 2.1 MTU Type 3.1 Mack EO-S 4.5 Renault RGD Renault RLD-3 Volvo CNG Volvo VDS-4.5

Q8 Formula Truck 8610 10W-40

Specifications	Approvals	Recommendation
ACEA E11	Deutz DQC IV-18 LA	Caterpillar ECF-2
ACEA E4	MAN M 3775	Caterpillar ECF-3
ACEA E6	MB 228.31	Cummins CES 20081
ACEA E7	MB 228.51	Cummins CES 20086
ACEA E8	MB 228.52	DAF Extended Drain
ACEA E9	Mack EO-S 4.5	Detroit Diesel DFS 93K218
API CJ-4	Renault RLD-3	Detroit Diesel DFS 93K222
API CK-4	Volvo VDS-4.5	Deutz DQC IV-10 LA
Iveco 18-1804 TLS E6		Iveco 18-1809 NG2
Iveco 18-1804 TLS E9		Liebherr LH-00-ENG LA
JASO DH-2		Liebherr LH-00-ENG5C LA
Liebherr LH-00-ENG3A LA		MAN M 3575
MAN M 3477 MAN M 3271-1		MB 226.9
Scania LA (Low Ash)		MB-Approval 228.31
		MB-Approval 228.51
		MB-Approval 228.52
		Mack EO-O Premium Plus
		Renault RGD
		Renault RLD-4
		Renault RXD
		Volvo CNG
		Volvo VDS-4

Q8 Formula Truck 8510 10W-40

Specifications	Approvals	Recommendation
ACEA E11	Daimler Truck AG DTFR 15C100 (MB 228.31)	Caterpillar ECF-3
ACEA E6	Daimler Truck AG DTFR 15C110 (MB 228.51)	Cummins CES 20081
ACEA E7	Daimler Truck AG DTFR 15C120 (MB 228.52)	DAF Extended Drain
ACEA E8	Deutz DQC IV-18 LA	Detroit Diesel DFS 93K218
ACEA E9	MB 228.31	Iveco 18-1804 TLS E6
API CK-4	MB 228.51	Iveco 18-1804 TLS E9
API SN	MB 228.52	Liebherr LH-00-ENG LA
JASO DH-2	Mack EO-S 4.5	Liebherr LH-00-ENG3A LA
	Renault RLD-3	Liebherr LH-00-ENG5C LA
	Volvo VDS-4.5	MAN M 3271-1
	Cummins CES 20086	MAN M 3277
		MAN M 3477
		MTU Type 2.1
		MTU Type 3.1
		Mack EO-O Premium Plus
		Renault RGD
		Scania LA (Low Ash)
		Volvo CNG
		Volvo VDS-4

Q8 Formula Truck 7000 FE 10W-30

Specifications	Approvals	Recommendation
ACEA E11	API CK-4	API SN
ACEA E7	JASO DH-2*	Allison TES-439
ACEA E9	Cummins CES 20086	Case New Holland MAT 3571
API CI-4	Daimler Truck AG DTFR 15C100 (MB 228.31)	Caterpillar ECF-3
API CI-4+	Deutz DQC III-18 LA	Cummins CES 20081
API CJ-4	MAN M 3775	Detroit Diesel DFS 93K218
	MTU Type 2.1	Detroit Diesel DFS 93K222
	Mack EO-S 4.5	Ford M2C171-F1
	Renault RLD-3	Hino
	Volvo VDS-4.5	Isuzu
		MAN M 3271-1
		MAN M 3575
		MB 226.9
		Mack EO-O Premium Plus
		Renault RGD
		Tata
		UD Trucks
		Volvo CNG
		Volvo VDS-4

Q8 Formula Truck 7000 10W-40

Specifications	Approvals	Recommendation
ACEA E11	API CK-4	API SN
ACEA E7	JASO DH-2*	Allison TES-439
ACEA E9	DTFR 15C100	Case New Holland MAT 3571
API CI-4	Daimler Truck AG DTFR 15C100 (MB 228.31)	Caterpillar ECF-3
API CI-4+	Deutz DQC III-18 LA	Cummins CES 20081
API CJ-4	MAN M 3775	Cummins CES 20086
	Mack EO-S 4.5	Detroit Diesel DFS 93K218
	Renault RLD-3	Detroit Diesel DFS 93K222
	Volvo VDS-4.5	Ford M2C171-F1
		Hino
		Isuzu
		Liebherr LH-00-ENG3A LA
		MAN M 3271-1
		MAN M 3575
		MB 226.9
		MTU Type 2.1
		Mack EO-O Premium Plus
		Renault RGD
		Tata
		UD Trucks
		Volvo CNG
		Volvo VDS-4

Q8 Formula Truck 7000 15W-40

Specifications	Approvals	Recommendation
ACEA E11	API CK-4	API SN
ACEA E7	JASO DH-2*	Allison TES-439
ACEA E9	Cummins CES 20086	Case New Holland MAT 3571
API CI-4	Daimler Truck AG DTFR 15C100 (MB 228.31)	Caterpillar ECF-3
API CI-4+	Deutz DQC III-18 LA	Cummins CES 20081
API CJ-4	MAN M 3775	DAF LPG engines
	Mack EO-S 4.5	Detroit Diesel DFS 93K218
	Renault RLD-3	Detroit Diesel DFS 93K222
	Volvo VDS-4.5	Ford M2C171-F1
		Hino
		Isuzu
		Liebherr LH-00-ENG3A LA
		MAN M 3271-1
		MAN M 3575
		MB 226.9
		MTU Type 2.1
		Mack EO-O Premium Plus
		Renault RGD
		Tata
		UD Trucks
		Volvo CNG
		Volvo VDS-4

Q8 Formula Truck 6900 FE 5W-30

Specifications	Approvals	Recommendation
ACEA E4 ACEA E7	MAN M 3277* DTFR 15B120 (MB 228.5)* Mack EO-N Renault RLD-2 Scania LDF-3* Volvo VDS-3	Cummins CES 20077 DAF HP1 DAF HP2 Deutz DQC IV-18 Iveco 18-1804 TFE Liebherr LH-00-ENG MB 235.27 MTU Type 3 Renault RLD Renault RXD Voith Class A Retarder Oil

This brochure includes a selection of Q8 products.

Q8 T 860 S 10W-40

Specifications	Approvals	Recommendation
ACEA E4 ACEA E7 API CF API CI-4	Daimler Truck AG DTFR 15B120 (MB 228.5) Daimler Truck DTFR 13D110 (MB 235.28)* Ford M2C944-A* MTU Type 3 Mack EO-N MAN M 3277 Renault RLD-2 Scania LDF-3 Voith Class B Retarder Oil* Volvo VDS-3	Cummins CES 20077 DAF Extended Drain Deutz DQC IV-18 Iveco 18-1804 T2 E7 Iveco 18-1804 T3 E4 Liebherr LH-00-ENG5C Renault RXD

Q8 T 860 10W-40

Specifications	Approvals	Recommendation
ACEA E4 ACEA E7 API CG-4 API CH-4 API CI-4 Global DHD-1 JASO DH-1	Daimler Truck AG DTFR 15B120 (MB 228.5) MAN M 3277 MTU Type 3 Mack EO-N Renault RLD-2 Tedom 258-4 Volvo VDS-3	Caterpillar ECF-1a Cummins CES 20077 Cummins CES 20078 DAF Extended Drain Deutz DQC IV-18 Ford M2C944-A Liebherr LH-00-ENG5C Mack EO-M Plus Isuzu SDMO - Kohler KD engine series K135 & K175

Q8 T 800 10W-40

Specifications	Approvals	Recommendation
ACEA E7 API CF API CI-4 API SL Global DHD-1	Daimler Truck AG DTFR 15B110 (MB 228.3) Deutz DQC III-10 MB 228.3 MTU Type 2 Mack EO-N Renault RLD-2 Volvo VDS-3	Caterpillar ECF-1 Caterpillar ECF-2 Cummins CES 20071 Cummins CES 20072 Cummins CES 20076 Cummins CES 20077 Cummins CES 20078 DAF Isuzu Iveco MAN M 3275-1 Renault RLD Scania Tedom 258-3



Q8 T 750 15W-40

Specifications	Approvals	Recommendation
ACEA E7 API CF API SL Global DHD-1	API CI-4 Cummins CES 20078 Deutz DQC III-10 DTFR 15B110 (MB 228.3) MAN M 3275-1 MB 228.3 MTU Type 2 Mack EO-N Renault RLD-2 Tedom 258-3 Volvo VDS-3	Caterpillar ECF-1a Caterpillar ECF-2 Cummins CES 20071 Cummins CES 20072 Cummins CES 20076 Cummins CES 20077 DAF Isuzu Iveco Renault RLD SDMO - Kohler KD engine series K135 & K175 Scania ZF TE-ML 07C

Q8 T 750 20W-50

Specifications	Approvals	Recommendation
ACEA E7 API CI-4 API SL Global DHD-1		Caterpillar ECF-1a Caterpillar ECF-1a Caterpillar ECF-2 Isuzu MAN M 3275-1 MB 228.3

Q8 T 750 SAE 30

Specifications	Approvals	Recommendation
ACEA A3/B4 ACEA E3 ACEA E5 ACEA E7 API CI-4 API SL		Caterpillar TO-2 MAN M 270 MB 227.0 MB 228.0 MTU Type 1 MTU Type 2 Voith Retarder



Q8 T 520 15W-40

Specifications	Approvals	Recommendation
API CF API CF-4 API CG-4		ACEA E2 MAN M 271 MB 228.1 Volvo VDS

Q8 T 520 SAE 10

Specifications	Approvals	Recommendation
API CG-4		NATO O-237 ZF TE-ML 03B

* Pending approval ** Coming soon

Q8Oils portfolio of Heavy Duty Engine Oils

offers a wide choice of qualities:



Fuel saving

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



Low SAPS

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

Automatic Transmission Fluids



Product

	Base Oil
Q8 Auto ATF ULV**	Synthetic
Q8 Auto ATF 668A**	Synthetic
Q8 Auto 26 R	Synthetic
Q8 Auto 15 V	Synthetic
Q8 Auto 15 S	Synthetic
Q8 Auto 15 ED	Synthetic
Q8 Auto 14	Mineral
Q8 Auto DV I	Synthetic

Q8 Auto 26 R

Specifications	Approvals	Recommendation
	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 V

Specifications	Approvals	Recommendation
	Voith 150.014524.xx Voith US SB 013/118	Daimler Truck AG DTFR 13C170 (MB 236.9) MAN 339 Type V2 MAN 339 Type Z12 MAN 339 Type Z3 Volvo 97341 (AT 101) ZF TE-ML 14C ZF TE-ML 20C



Q8 Auto 15 S

Specifications	Approvals	Recommendation
	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 MB 236.91 Voith US SB 013/118 ZF TE-ML 14C

Q8 Auto 15 ED

Specifications	Approvals	Recommendation
	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 (MB 236.1)* DTFR 13C170 (MB 236.9)*	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 MB 236.11 MB 236.5 MB-Approval 236.1 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

Specifications	Approvals	Recommendation
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 MB 236.1 MB 236.5 MB 236.7 MB-Approval 236.1 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

Automatic Transmission Fluids



Q8 Auto D VI

Specifications	Approvals	Recommendation	
<i>BMW/MINI T-IV Volvo 97342 (AT 102)</i>	<i>GM Dexron III H GM Dexron VI</i>	<i>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 Isuzu Besco ATF-III</i>	<i>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 MB 236.3 MB 236.41 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 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</i>



Axle Oils




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

Q8 Axle Oil XG Synt FE 75W-80

Specifications	Approvals	Recommendation
API GL-5		DAF MB Volvo 97317 (GO 102)

Q8 Axle Oil XG Synt FE 75W-85

Specifications	Approvals	Recommendation
API GL-5 SAE J 2360	Daimler Truck AG DTFR 12B120 (MB 235.31)	DAF Scania STO 1:0 ZF TE-ML 04G ZF TE-ML 07A ZF TE-ML 08

Q8 Trans XGS 75W-90

Specifications	Approvals	Recommendation
API GL-4 API GL-5 API MT-1 MIL L-2105D MIL PRF-2105E	Daimler Truck AG DTFR 12B140 (MB 235.9)* Scania STO 1:1 G* MAN 341 Type Z2 MAN 342 Type S1 MB-Approval 235.8 SAE J 2360 Scania STO 1:0 Scania STO 2:0 A FS 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	Daimler Truck AG DTFR 12B100 (MB 235.0) 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 MB 235.0 Mack GO-J Scania STO 2:0 G VAG VW G 052 911 ZF TE-ML 24A

Q8 Trans XGS 75W-140

Specifications	Approvals	Recommendation
API GL-4 API GL-5 MIL PRF-2105E	Scania STO 1:0	Ford M2C192-A MAN 3343 Type S MAN 341 Type E3 MB 235.8 Mack GO-J ZF TE-ML 02B ZF TE-ML 05B ZF TE-ML 12B ZF TE-ML 16F

Q8 Trans XGS 75W-85

Specifications	Approvals	Recommendation
API GL-4 API GL-5 SAE J 2360		Fiat 9.55550-DA3 Fiat 9.55550-DA4 Fiat 9.55550-DA8 Fiat 9.55550-MX3 Fiat 9.55550-MX4 Fiat 9.55550-MZ1 Fiat 9.55550-MZ3 Iveco 18-1807 MG Iveco 18-1807 MGM MB 235.63 MB 235.10 Nissan MTF HQ VAG VW G 052 190



Q8 Trans XGN 75W-90

Specifications	Approvals	Recommendation
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 MB 235.8 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 T 65 75W-90

Specifications	Approvals	Recommendation
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 Form 121 Ford M2C175-A Ford M2C210-A GM 1940759 (90188629) MB 235.0 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

Specifications	Approvals	Recommendation
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 Axle Oil GL-5 75W-90

Specifications	Approvals	Recommendation
API GL-5 MIL L-2105D		ZF TE-ML 05A ZF TE-ML 16B ZF TE-ML 17B ZF TE-ML 19B

Q8 Gear Oil XG 80W-90

Specifications	Approvals	Recommendation
API GL-4 API GL-5	MAN 341 Type Z2 MAN 342 Type M2 Scania STO 1:0 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 SAE J 2360 ZF TE ML 07A ZF TE-ML 17B

Q8 Axle Oil XG 80W-140

Specifications	Approvals	Recommendation
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 T 45 LS SAE 90

Specifications	Approvals	Recommendation
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 45 LS SAE 85W-140

<i>Specifications</i>	<i>Approvals</i>	<i>Recommendation</i>
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 Axle Oil TP 80W-90

<i>Specifications</i>	<i>Approvals</i>	<i>Recommendation</i>
API GL-5 LS		John Deere JDM J20C John Deere JDQ-96

Q8 T 55 80W-90

<i>Specifications</i>	<i>Approvals</i>	<i>Recommendation</i>
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 MB 235.0 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

Specifications	Approvals	Recommendation
<p>API GL-5 British Ministry of Defence CS 3000B MIL L-2105B MIL L-2105D</p>	<p>ZF TE-ML 16D ZF TE-ML 21A</p>	<p>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 MB 235.0 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</p>

Q8 Axle Oil TP 80W-90

Specifications	Approvals	Recommendation
<p>API GL-5 LS</p>		<p>John Deere JDM J20C John Deere JDQ-96</p>

Gear Oils




Product	API	Base Oil	Long Drain	Km
Q8 Gear Oil V LD 75W-80	GL-4	Synthetic	✓	800.000
Q8 Gear Oil V LD 75W-90	GL-4	Synthetic	✓	800.000
Q8 Gear Oil V 75W-80	GL-4	Synthetic		400.000
Q8 T 60 Ntech 75W-80	GL-4	Synthetic		400.000
Q8 T 36 75W-90	GL-4	Synthetic		
ZF Ecofluid M 75W-80	GL-4	Synthetic	✓	540.000
Q8 T 35 80W-90	GL-4	Mineral		
Q8 Gear Oil XG 80W-90	GL-4/GL-5	Mineral		

Q8 Gear Oil V LD 75W-80

Specifications	Approvals	Recommendation
API GL-4		DAF Eaton/Fuller Europe Extended drain (300.000 km) Iveco 18-1807 MGS Iveco 18-1807 MGS1 MAN 341 Type E3 MAN 341 Type Z4 MAN 341 Type Z5 MB 235.11 MB 235.4 Renault Volvo 97305 Volvo 97307 (400.000 km) Volvo 97318 (800.000 km) ZF TE-ML 01L ZF TE-ML 02E ZF TE-ML 02L ZF TE-ML 08 ZF TE-ML 16K

Q8 Gear OII V LD 75W-90

Specifications	Approvals	Recommendation
API GL-4		DAF Eaton/Fuller Europe Extended drain (300.000 km) Iveco MAN 341 Type E3 MAN 341 Type Z4 MB 235.11 MB 235.4 Renault Volvo 97315 (400.000 km) Volvo 97319 (800.000 km) ZF TE-ML 01L ZF TE-ML 02L ZF TE-ML 08 ZF TE-ML 16K

Q8 Gear Oil V 75W-80

Specifications	Approvals	Recommendation
API GL-4	ZF TE-ML 01L ZF TE-ML 02L ZF TE-ML 16K Volvo 97307 (400.000 km)*	DAF Eaton/Fuller Europe Extended drain (300.000 km) Iveco 18-1807 MGS Iveco 18-1807 MGS1 MAN 341 Type E3 MAN 341 Type E4 MAN 341 Type Z3 MAN 341 Type Z4 MB 235.4 Renault Volvo 97305 ZF TE-ML 08 ZF TE-ML 13 ZF TE-ML 24A

Q8 T 60 Ntech 75W-80

Specifications	Approvals	Recommendation
API GL-4	ZF TE-ML 01L ZF TE-ML 02L ZF TE-ML 16K	Eaton/Fuller Europe Extended drain (300.000 km) Iveco 18-1807 MGS1 MAN 341 Type E3 MAN 341 Type E4 MAN 341 Type Z3 MAN 341 Type Z4 MB 235.4 Volvo 97305 ZF TE-ML 02D ZF TE-ML 08 ZF TE-ML 13 ZF TE-ML 24A

Q8 T 36 75W-90

Specifications	Approvals	Recommendation
API GL-4	Daimler Truck AG DTFR 13B110 (MB 235.11) MAN 341 Type MB MB 235.11	

ZF Ecofluid M 75W-80

Specifications	Approvals	Recommendation
	MAN 341 Type Z5 ZF TE-ML 01E ZF TE-ML 02E	ZF TE-ML 16P

Q8 T 35 80W-90

Specifications	Approvals	Recommendation
API GL-4	ZF TE-ML 16A ZF TE-ML 17A ZF TE-ML 19A	Eaton/Fuller Bulletin 2052 Eaton/Fuller Bulletin 2053 Eaton/Fuller Form 121 Ford SM-2C-1011A Ford SQM-2C9008-A GM 194075 (90001777) John Deere JDM J11B MAN 341 Type E1 MAN 341 Type Z2 MB 235.1 MB 235.5 ZF TE-ML 02B ZF TE-ML 08

Q8 Gear Oil XG 80W-90

Specifications	Approvals	Recommendation
API GL-4 API GL-5	MAN 341 Type Z2 MAN 342 Type M2 Scania STO 1:0 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 SAE J 2360 ZF TE ML 07A ZF TE-ML 17B

Coolants



Product	Type	Colour
Q8 Antifreeze OAT-2	OAT	Orange
Q8 Antifreeze Extended Life Premixed	OAT	Blue-Green
Q8 Antifreeze Extended Life	OAT	Blue-Green (Dark)
Q8 Antifreeze Long Life Premixed	OAT	Orange
Q8 Antifreeze Long Life	OAT	Orange

Q8 Antifreeze OAT-2

Specifications	Approvals	Recommendation
ASTM D 3306 ASTM D 6210 GB 29743-2013 JIS K 2234 UNE 26-361-88/1	Volvo Construction Equipment VCS-2* Volvo Penta VCS-2* Volvo Trucks VCS-2*	Case New Holland Case New Holland MAT 3624 Caterpillar GCM34 Deutz DQC CB-14 Fiat 9.55523 Ford M97B44-D GM JIS K 2234 Jaguar Land Rover Komatsu KES 07.892 MAN 324 Type SNF MB 325.3 MB 326.3 VAG VW TL 774 D (G12) VAG VW TL 774 F (G12+)

Q8 Antifreeze Extended Life Premixed

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

Q8 Antifreeze Extended Life

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

Q8 Antifreeze Long Life Premixed

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

Q8 Antifreeze Long Life

Specifications	Approvals	Recommendation
<p>ASTM D 3306 ASTM D 4656 ASTM D 4985 ASTM D 6210 Afnor NF R 15-601 <i>Bergen engines 2.13.01</i> <i>Case New Holland MAT 3624</i> <i>Cummins CES 14439</i> <i>Cummins CES 14603</i> <i>DAF 74002</i> <i>Detroit Diesel 93K217</i> <i>FVV Heft R 443</i> <i>Ford</i> <i>Ford M97B44-D</i> <i>Foton Q-FPT 2313005-2013</i> <i>INNIO Jenbacher TA 1000-0201</i> <i>JIS K 2234</i> <i>Jaguar Land Rover STJLR.651.5003</i> <i>(CMR 8229)</i> <i>John Deere JDM H5</i> <i>KSM 2142</i> <i>Komatsu KES 07.892</i> <i>Leyland Trucks DW03245403</i> <i>Liebherr MD1-36-130</i> <i>MAN B&W AG D36 5600</i> <i>MIL-Belgium BT-PS-606 A</i> <i>MIL-France DCSEA 615/C</i> <i>MIL-Italy E/L-1415b</i> <i>MIL-Norway FS 6850-0951</i> <i>MIL-Sweden FSD 8704</i> <i>MTU MTL 5048</i> <i>MWM 0199-99-2091/12</i> <i>Mack 014 GS 17009</i> <i>Mazda MEZ MN 121 D</i> <i>Mitsubishi MHI</i> <i>NATO S-759</i> <i>Opel/Vauxhall GMW 3420</i> <i>Renault 41-01-001/S Type D</i> <i>SACM Diesel DLP799861</i> <i>SAE J 1034</i> <i>Saab B 040 1065</i> <i>UNE 26-361-88/1</i> <i>VAG VW TL 774 D (G12)</i> <i>VAG Škoda 61-0-0257</i> <i>VW/Audi TL-774 D= G12</i> <i>Volvo Trucks</i> <i>Wärtsilä</i></p>	<p>Deutz DQC CB-14 MAN 324 Type SNF <i>Tedom</i></p>	<p>Aston Martin <i>BS 6580</i> <i>Behr</i> <i>Caterpillar</i> <i>Claas</i> <i>Fendt</i> <i>Fiat 9.55523</i> <i>Ford M97B44-E</i> <i>Great Wall</i> <i>Hitachi</i> <i>Isuzu</i> <i>Karosa</i> <i>Kobelco</i> <i>MB 325.3</i> <i>Proton</i> <i>SEMT Pielstick</i> <i>Sanata Motors</i> <i>Thermo King</i> <i>VAG VW TL 774 F (G12+)</i> <i>Valtra</i> <i>Van Hool</i> <i>Volvo Volvo Penta</i> <i>Volvo Construction Equipment</i> <i>Volvo Penta</i> <i>Waukesha</i> <i>Yanmar</i> <i>Önорм V5123</i></p>

Brake Fluids



<i>Product</i>	<i>Type</i>
<i>Q8 Brake Fluid DOT 4 LV</i>	<i>DOT 4 LV</i>
<i>Q8 Brake Fluid DOT 4+</i>	<i>DOT 4</i>

Q8 Brake Fluid DOT 4 LV

<i>Specifications</i>	<i>Approvals</i>	<i>Recommendation</i>
<i>FMVSS 116 DOT 3 FMVSS 116 DOT 4 SAE J 1703 SAE J 1704</i>		<i>FMVSS 116 DOT 4 LV Ford M6C65-A2 ISO 4925 Class 6 JIS K 2233 Class 6 SAE J 1704 LV VAG VW 501.14</i>

Q8 Brake Fluid DOT 4+

<i>Specifications</i>	<i>Approvals</i>	<i>Recommendation</i>
<i>FMVSS 116 DOT 3 FMVSS 116 DOT 4 ISO 4925 Class 4 JIS K 2233 Class 4 SAE J 1703 SAE J 1704</i>		

Power Steering Fluids



<i>Product</i>	<i>Type</i>
<i>Q8 CHF 22S</i>	<i>PSF</i>
<i>Q8 LHM+</i>	<i>PSF</i>
<i>Q8 PSF 32S</i>	<i>PSF</i>

Q8 CHF 22S

<i>Specifications</i>	<i>Approvals</i>	<i>Recommendation</i>
<i>DIN 51524-3 HVLP ISO 7308 PSA S71 2710 VAG VW TL 521 46 Volvo STD 1273.36</i>		<i>Fiat 9.55550-SA1 Ford 204-A1 Ford M2C204-A2 MAN M 3289 MB 345.0 PSA 9735-EJ Renault PSF Class 1 Volvo P-N 1161529 Volvo P-N 1161529 Volvo WSS-MWC204A</i>

Q8 LHM+

<i>Specifications</i>	<i>Approvals</i>	<i>Recommendation</i>
<i>ISO 7308 PSA B71 2710</i>		

Q8 PSF 32S

<i>Specifications</i>	<i>Approvals</i>	<i>Recommendation</i>
		<i>Bosch TE-ML 09 Fiat 9.55550-AG2 GM Dexron III Honda PSF-1 Honda PSF-S Honda PSF-V MB 236.3 Volvo 97325</i>

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 Haydn 46

Specifications	Approvals	Recommendation
DIN 51524-2 HLP ISO 11158 HM MAG IAS P-68, P-69, P-70 Swedish Standard SS 155434 AM	Danieli Standard 0.000.001-R15 (2020) Denison HF-0, HF-1, HF-2	Bosch Rexroth RE 90220 notes DIN 51517-2 CL Eaton Brochure 03-401-2010

Q8 Heller 46

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

Q8 Hogarth 46

Specifications	Approvals	Recommendation
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

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

Q8 Holbein Bio Plus 46

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

Q8 Holbein Bio Long Life 46

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

Greases



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

Q8 Rembrandt EP 00

Specifications

DIN 51502 KP00K-30
ISO 6743 L-XCCHB00

Q8 Rembrandt EP 00 WV

Specifications

DIN 51502 KP00G-30
ISO 6743 L-XCBEBO0

Q8 Rembrandt EP 1

Specifications

DIN 51502 KP1K-30
ISO 6743 L-XCCFB1

Approvals

Danieli

Recommendation

Q8 Rembrandt EP 2

<i>Specifications</i>	<i>Approvals</i>	<i>Recommendation</i>
DIN 51502 KP2K-30 ISO 6743 L-XCCFB2	Danieli Standard 0.000.001-R15 (2020)	

Q8 Rembrandt Moly 2

<i>Specifications</i>	<i>Approvals</i>	<i>Recommendation</i>
DIN 51502 KPF2K-30 ISO 6743 L-XCCHB2	Danieli Standard 0.000.001-R15 (2020)	

Q8 Rubens WB -b

<i>Specifications</i>
ASTM D 4950 GC-LB DIN 51502 KP2N-30 ISO 6743 L-XCDIB2

Q8 Multi LCX 2

<i>Specifications</i>
DIN 51502 KP2K-20 ISO 6743 L-XBCDB2

Q8 Ruysdael WR 2

<i>Specifications</i>
DIN 51502 KP2K-20 ISO 6743 L-XBCIB2

Q8 Rodin EP 202

<i>Specifications</i>
DIN 51502 KP2N-30 ISO 12924 L-XB(F)DIB2



HEAVY DUTY OILS

Q8Oils Sustainability

Our sustainability commitment 44

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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.

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

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).



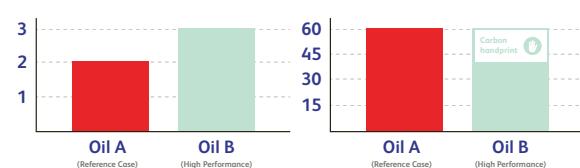
Scan to find out more about We Take Care



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

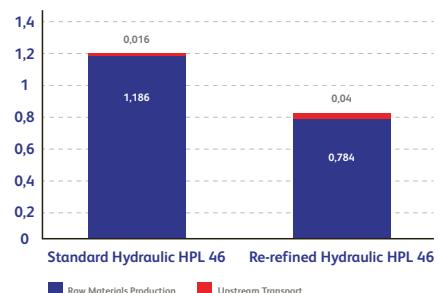
PCF evaluation (Cradle-to-Gate) indicates higher footprint value for product B. After evaluating the use phase, after 10 thousand hours in excavator equipment. The total emissions due to the use of product B are lower.

GWP Reductions (Global Warming Potential)

- GWP of Haydn, Heller, Handel varies between 0.93 and 1.334 kg CO2eq/kg oil
- GWP of virgin hydraulics varies between 1.7 and 2.17 kg CO2 eq/kg oil
- Q8 main-line hydraulics offer 63 % to 82 % reduction of GWP versus virgin hydraulics.

Standard HLP 46 versus re-refined HLP 46 – CARBON FOOTPRINT

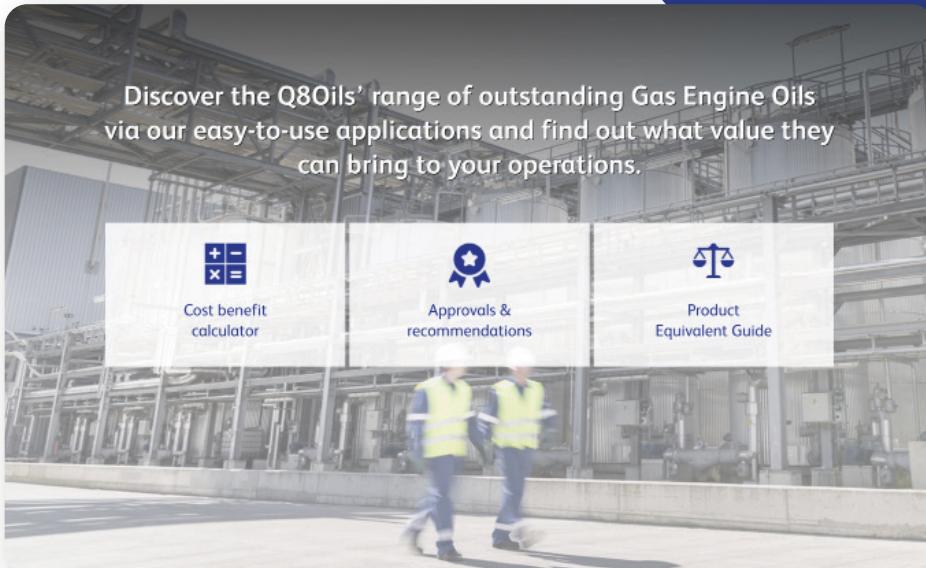
Carbon footprint per life cycle stage (in kgCO2eq/kg)



It is a reduction of 30.9% kg potential GreenHouse Gas per 1kg Lubricant







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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