

**Q8**  **Oils**

AUTOMOTIVE

# *Construction & mining solutions*



[www.Q8Oils.com](http://www.Q8Oils.com)



*Q8Oils offers effective solutions for many OEMs, including:*

*Bell  
Bucyrus  
International  
Caterpillar  
Demag  
Euclid  
Hitachi  
Construction  
Machinery  
JCB*

*Komatsu  
Liebherr  
Metso  
Sandvik  
Telsmith  
Terex-Finlay  
Tesmec  
Volvo  
...*





# *Solutions for the construction and mining industry*

***Q8Oils experts can help you choose the most effective lubricants for your mining and construction equipment.***

- *For construction, surface and underground mining equipment, in trucks and excavators, you can rely on the excellent reputation of Q8Oils lubricants*
- *We offer a complete range of lubricants for your construction and mining needs, from one source*
- *Our products are designed for long service life, fuel economy and to ensure a reliable and safe operation*





## Q80ils brand

*Q8Oils products, services and solutions are designed to increase the profitability and sustainability of our customers' businesses.*

*We develop, blend and deliver a comprehensive portfolio of more than 1,000 technology enhanced lubricants to suit every application, from the smallest engine to the largest machine.*

*Based on extensive R&D activities in our European laboratories, we manufacture an extensive range of oils in our own blending plants. We use high-quality base oils and the latest technological innovation to guarantee products of the highest quality, approved by all major OEMs.*

*Our mission is to develop products that exceed the highest performance requirements, fulfil customer needs and meet our responsibility to protect the environment.*

## Easy to do business with Q8Oils

*Customers from more than 90 countries worldwide choose Q8Oils for the quality of our products and because it is easy to do business with us. We offer a single supply solution for many applications across the automotive, energy, metalworking and general industry sectors.*

*Thanks to our strong customer centric approach based on product and service innovation, technical expertise and support, Q8Oils is the top choice lubricant supplier for market leading companies internationally.*



### 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.*



**مؤسسة البترول الكويتية**  
**Kuwait Petroleum Corporation**

# Own research and development



**Quality and innovation have always been at the heart of Q8Oils' business. We invest strongly in technical research and product development. Through our research & development programme we continuously improve existing products and develop innovative new lubricants to meet specific customer requirements.**

Many of the additives we use in our lubricants are the result of our own formulations. This enables us to offer custom-made solutions for every challenge with outstanding product quality and performance.

Our R&D team also enhances production, product application and quality control by supporting customers with important information on safety, security, health and environmental issues.

## Key facts

- 50 years' experience of petroleum research & development
- 40+ scientists and support staff
- ISO 9001, OHSAS 18001, ISO 14001 certified
- 50,000 samples tested and 350,000 analyses every year

## What we do

- Consultancy services
- Product development and services
- Training
- Laboratory and engine testing



# Committed to quality and sustainability

**Seeking quality and continuous improvement in everything we do, Q8Oils is compliant with and certified to the following international standards and quality systems:**

## OEM approvals

Original Equipment Manufacturer approvals are part of our quality standards. Through our strong relationships with manufacturers, we are able to offer official OEM approvals and stay at the forefront of innovation to develop the highest performing lubricants.

## EELQMS

The European Engine Lubricants Quality Management System is a series of development protocols, test methods, production standards and codes of practice that is widely recognised as the gold standard.

## ISO9001

The criteria for certification of this quality management system include strong customer focus, top management commitment, a process approach and continuous improvement. It ensures the highest standard of quality for lubricants around the world.

# Engine Oils



Product	Low SAPS	ACEA	API	Base Oil
Q8 Formula Truck 7000 FE 10W-30	✓	E9	CK-4	Synthetic
Q8 Formula Truck 7000 10W-40	✓	E9	CK-4	Synthetic
Q8 Formula Truck 7000 15W-40	✓	E9	CK-4	Synthetic
Q8 Formula Truck 7000 15W-50	✓		CK-4	Synthetic
Q8 Formula Truck 6500 10W-40		E4/ E7	CI-4	Synthetic based
Q8 T 860 10W-40		E4/ E7	CI-4	Synthetic based
Q8 T 760 10W-40	✓	E9	CJ-4/CF	Synthetic
Q8 T 750 15W-40		E7	CI-4/ CF	Mineral

## Q8 Formula Truck 7000 FE 10W-30

Q8 Formula Truck 7000 FE 10W-30 superior super high performance low SAPS heavy-duty diesel engine oil offers extreme wear protection and fuel economy improvements up to 1%.

### Benefits

- Outstanding combustion chamber cleanliness due to low sulphated ash level.
- Superior protection against engine wear.
- Superior protection against piston rings deposits.
- Exceptional engine protection after cold start.
- Exceptional diesel particulate filter (DPF/CRT) plugging minimalisation.

### Specifications & approvals

ACEA	E9	JASO	DH-2
API	CK-4	Mack	EO-S 4.5
Caterpillar	ECF-2	MAN	M 3575
Caterpillar	ECF-3	MAN	M 3775
Cummins	CES 20086	MB	228.31
Detroit Diesel	93K218	MTU	Type 2.1
Detroit Diesel	93K222	Renault	RLD-4
Deutz	DQC III-10 LA	Volvo	VDS-4.5
Ford	M2C 171-F1		

## Q8 Formula Truck 7000 10W-40

Q8 Formula Truck 7000 10W-40 superior super high performance low SAPS heavy-duty diesel engine oil offers extreme wear protection and extended oil drain intervals.

### Benefits

- Outstanding combustion chamber cleanliness due to low sulphated ash level.
- Superior protection against engine wear.
- Superior protection against piston rings deposits.
- Exceptional engine protection after cold start.
- Exceptional diesel particulate filter (DPF/CRT) plugging minimalisation.

### Specifications & approvals

ACEA	E9	Mack	EO-S 4.5
API	CK-4	MAN	M 3575
Caterpillar	ECF-2	MAN	M 3775
Caterpillar	ECF-3	MB	228.31
Cummins	CES 20086	MTU	Type 2.1
Detroit Diesel	93K218	Renault	RLD-3
Detroit Diesel	93K222	Volvo	VDS-4.5
Deutz DQC	III-18 LA		
Ford	M2C 171-F1		
JASO	DH-2		

## Q8 Formula Truck 7000 15W-40

Q8 Formula Truck 7000 15W-40 low SAPS heavy-duty diesel engine oil offers class leading wear and corrosion protection. It meets the ACEA E9 and API CK-4 specifications.

### Benefits

- Outstanding combustion chamber cleanliness due to low sulphated ash level.
- Superior protection against engine wear.
- Superior protection against piston rings deposits.
- Exceptional engine protection after cold start.
- Exceptional diesel particulate filter (DPF/CRT) plugging minimalisation.

### Specifications & approvals

ACEA	E9	Ford	M2C 171-F1
Allison	TES-439	JASO	DH-2
API	CK-4	Mack	EO-S 4.5
Caterpillar	ECF-2	MAN	M 3575
Caterpillar	ECF-3	MAN	M 3775
Cummins	CES 20086	MB	228.31
Detroit Diesel	93K218	MTU	Type 2.1
Detroit Diesel	93K222	Renault	RLD-4
Deutz	DQC III-10 LA	Volvo	VDS-4.5

## Q8 Formula Truck 7000 15W-50

Q8 Formula Truck 7000 15W-50 is a superior super high performance low SAPS heavy-duty engine oil, specifically developed for mining.

### Benefits

- Excellent combustion chamber cleanliness due to low sulphated ash level.
- Excellent protection against rust and corrosion.
- Excellent protection against piston rings deposits.
- Excellent engine protection after cold start.
- Superb diesel particulate filter (DPF/CRT) plugging minimalisation.

### Specifications & approvals

Allison	TES-439	JASO	DH-2
API	CK-4	Mack	EO-S 4.5
Caterpillar	ECF-2	MB	228.31
Caterpillar	ECF-3	MTU	Type 2.1
Cummins	CES 20086	Renault	RLD-4
Detroit Diesel	93K218	Volvo	VDS-4.5
Detroit Diesel	93K222		
Deutz	DQC III-10 LA		
Ford	M2C 171-F1		

## Q8 Formula Truck 6500 10W-40

Q8 Formula Truck 6500 10W-40 is an excellent ultra high performance high SAPS heavy-duty engine oil with a TBN of 16. It offers excellent acid neutralization and extended drain capabilities.

### Benefits

- Best-in-class engine cleanliness.
- Superior protection against engine fouling due to combustion soot.
- Exceptional engine protection after cold start.
- Extreme drain interval capability.
- Maximum protection against rust and corrosion.

### Specifications & approvals

ACEA	E4	MAN	M 3277
ACEA	E7	MB	228.5
API	CI-4	MTU	Type 3
Deutz	DQC III-10	Renault	RLD-2
Global	DHD-1	Volvo	VDS-3
JASO	DH-1		
Mack	EO-N		



## Q8 T 860 10W-40

Q8 T 860 10W-40 is an ultra high performance heavy-duty engine oil for modern diesel engines. It offers advanced protection and lubrication under severe conditions

### Benefits

- Outstanding drain interval capability.
- Excellent engine cleanliness.
- Excellent protection against engine wear.
- Superb protection against engine fouling due to combustion soot.
- Excellent protection against rust and corrosion.

### Specifications & approvals

ACEA	E4	JASO	DH-1
ACEA	E7	Mack	EO-N
API	CI-4	MAN	M 3277
Caterpillar	ECF-1a	MB	228.5
Cummins	CES 20077	MTU	Type 3
Cummins	CES 20078	Renault	RLD-2
DAF	Extended Drain	Volvo	VDS-3
Deutz	DQC III-10		
Global	DHD-1		

## Q8 T 760 10W-40

A low SAPS heavy-duty diesel engine oil providing quick lubrication after cold starting, excellent protection against bore polishing and enhanced durability.

### Benefits

- Superb diesel particulate filter (DPF/CRT) plugging minimisation.
- Superb catalytic after treatment system (SCR) protection.
- Superb protection against engine fouling due to combustion soot.
- Excellent engine protection after cold start.
- Superb protection against engine fouling due to combustion soot.

### Specifications & approvals

ACEA	E9	MAN	M 3575
API	CF	MB	228.31
API	CJ-4	MTU	Type 2.1
Caterpillar	ECF-2	Renault	RLD-3
Caterpillar	ECF-3	Scania	LA (Low Ash)
Cummins	CES 20081	Volvo	VDS-4
Deutz	DQC III-10 LA		
JASO	DH-2		
Mack	EO-O Premium Plus		

## Q8 T 750 15W-40

Q8 T 750 15W-40 is a super high performance heavy-duty engine oil that keeps the engine clean and reduces maintenance costs. It meets the requirements of API CI-4 ACEA E7.

### Benefits

- Premium protection against engine fouling due to combustion soot.
- Premium protection against engine wear.
- High protection against rust and corrosion.
- Advanced engine protection after cold start.

### Specifications & approvals

ACEA	E7	Isuzu	
API	CF	Iveco	EO-N
API	CI-4	Mack	M 3275-1
Caterpillar	ECF-1	MAN	228.3
Caterpillar	ECF-2	MB	Type 2
Cummins	CES 20071	MTU	RLD
Cummins	CES 20072	Renault	RLD-2
Cummins	CES 20076	Renault	
Cummins	CES 20077	Scania	VDS-3
Cummins	CES 20078	Volvo	
Deutz	DQC III-10		
Global	DHD-1		



# Transmission Oils



Product	Low SAPS	ACEA	API	Base Oil
Q8 T 2300 CVT 10W-30			GL-4	Synthetic
Q8 T 2300 CVT 15W-40			GL-4	Synthetic
Q8 T 2500			GL-4	Synthetic
Q8 T 2200			GL-4	Mineral
Q8 T 3000			GL-4	Mineral
Q8 T 5000 10W-40		E3	CF-4/ GL-4	Synthetic based
Q8 T 1000 (D) 10W-30		E7	CI-4/ GL-4	Mineral
Q8 T 1000 15W-40		E3	CE/ CF/ GL-4	Mineral
Q8 T 2400 BIO			GL-4	Synthetic

## Q8 T 2300 CVT 10W-30

Q8 T 2300 CVT 10W-30 is an exceptional synthetic tractor fluid for continuous variable transmissions. It guarantees superior protection for off-highway, construction and agricultural equipment.

### Benefits

- Excellent viscosity retention providing smoothless CVT operation.
- Superb oxidation stability.
- Outstanding frictional properties for smooth brake operation.
- Excellent response of hydraulic components.
- Superb compatibility with conventional elastomers.

## Specifications & approvals

<b>AGCO</b>	CVT ML 200	ZF	TE-ML 06B
<b>API</b>	GL-4	ZF	TE-ML 06D
<b>Case New Holland</b>	MAT 3525	ZF	TE-ML 06E
<b>Case New Holland</b>	MAT 3540	ZF	TE-ML 06F
<b>Caterpillar</b>	SATO	ZF	TE-ML 06H
<b>Claas</b>	CVT	ZF	TE-ML 06L
<b>Fendt</b>	Vario	ZF	TE-ML 06M
<b>John Deere</b>	JDM J20C	ZF	TE-ML 06R
<b>Massey Ferguson</b>	CMS M 1145	ZF	TE-ML 06S
<b>Valtra</b>	G2-08 (XT-60)		
<b>Valtra</b>	G2-B10 (XT-60+)		

## Q8 T 2300 CVT 15W-40

Q8 T 2300 CVT 15W-40 is an exceptional synthetic tractor fluid for continuous variable transmissions. It guarantees superior protection for off-highway, construction and agricultural equipment.

### Benefits

- Excellent viscosity retention providing smoothless CVT operation.
- Superb oxidation stability.
- Outstanding frictional properties for smooth brake operation.
- Excellent response of hydraulic components.
- Superb compatibility with conventional elastomers.

### Specifications & approvals

<b>AGCO</b>	CVT ML 200	<b>ZF</b>	TE-ML 06B
<b>API</b>	GL-4	<b>ZF</b>	TE-ML 06F
<b>Case New Holland</b>	MAT 3525	<b>ZF</b>	TE-ML 06M
<b>Case New Holland</b>	MAT 3540	<b>ZF</b>	TE-ML 06R
<b>Claas</b>	CVT	<b>ZF</b>	TE-ML 06S
<b>Fendt</b>	Vario		
<b>John Deere</b>	JDM J20C		
<b>Massey Ferguson</b>	CMS M 1145		

## Q8 T 2500

Q8 T 2500 is a synthetic low viscosity transmission and hydraulic oil with outstanding anti-scutting performance in the most extreme working conditions.

### Benefits

- Superb oxidation stability.
- Outstanding frictional properties for smooth brake operation.
- Outstanding viscosity retention providing highest gear protection.
- Limits wet brake noise while limiting friction plate wear.
- Excellent response of hydraulic components.

### Specifications & approvals

<b>Allison</b>	C-4	<b>Massey Ferguson</b>	CMS M 1127-B
<b>API</b>	GL-4	<b>Massey Ferguson</b>	CMS M 1135
<b>Case</b>	MS 1206	<b>Massey Ferguson</b>	CMS M 1141
<b>Case</b>	MS 1207	<b>Massey Ferguson</b>	CMS M 1143
<b>Case</b>	MS 1209	<b>Massey Ferguson</b>	CMS M 1145
<b>Case</b>	MS 1210	<b>Volvo</b>	97304 (WB 102)
<b>Case New Holland</b>	MAT 3505	<b>ZF</b>	TE-ML 03E
<b>Case New Holland</b>	MAT 3525	<b>ZF</b>	TE-ML 03F
<b>Case New Holland</b>	MAT 3526	<b>ZF</b>	TE-ML 05E
<b>Ford</b>	M2C 86-C	<b>ZF</b>	TE-ML 05F
<b>John Deere</b>	JDM J20D	<b>ZF</b>	TE-ML 06K
<b>Kubota</b>	UDT		
<b>Massey Ferguson</b>	CMS M 1110		

## Q8 T 2200

Q8 T 2200 is a superior universal tractor transmission oil. It is formulated to provide an exceptional protection for off-highway, construction and agricultural equipment.

### Benefits

- Limits wet brake noise while limiting friction plate wear.
- Outstanding hydraulic fluid properties.
- Superb protection against equipment component corrosion.
- Superb compatibility with conventional elastomers.
- Excellent prevention of foam formation.

### Specifications & approvals

<b>Allison</b>	C-4	<b>Kubota</b>	UDT
<b>API</b>	GL-4	<b>Massey Ferguson</b>	CMS M 1135
<b>Case</b>	MS 1207	<b>Massey Ferguson</b>	CMS M 1141
<b>Case</b>	MS 1209	<b>Massey Ferguson</b>	CMS M 1143
<b>Case</b>	MS 1210	<b>Massey Ferguson</b>	CMS M 1145
<b>Case New Holland</b>	MAT 3505	<b>New Holland</b>	NH 410-B
<b>Case New Holland</b>	MAT 3506	<b>Volvo</b>	97303 (WB 101)
<b>Case New Holland</b>	MAT 3525	<b>ZF</b>	TE-ML 03E
<b>Deutz</b>	Allis AC Power Fluid 821 XL	<b>ZF</b>	TE-ML 05F
	M2C 134-D	<b>ZF</b>	TE-ML 06K
<b>Ford</b>	JDM J20C	<b>ZF</b>	TE-ML 17E
<b>John Deere</b>	KES 07.866		TE-ML 21F
<b>Komatsu</b>			

## Q8 T 3000

Q8 T 3000 is an excellent combined transmission and hydraulic oil for agricultural and construction equipment. It has an outstanding performance stability to temperatures and limits brake noises.

### Benefits

- Limits wet brake noise while limiting friction plate wear.
- Excellent transmission lubrication.
- Excellent response of hydraulic components.
- Excellent anti-foaming properties.
- Superb compatibility with conventional elastomers.

### Specifications & approvals

<b>Allison</b>	C-3	<b>Massey Ferguson</b>	CMS M 1127
<b>API</b>	GL-4	<b>Massey Ferguson</b>	CMS M 1135
<b>Case</b>	MS 1207	<b>Massey Ferguson</b>	CMS M 1141
<b>Case</b>	MS 1209	<b>Same Deutz Fahr</b>	
<b>Case</b>	UK/ David Brown		
<b>Caterpillar</b>	TO-2		
<b>Fiat</b>	AF 87		
<b>Ford</b>	M2C 86-B		
<b>Komatsu Dresser</b>	B06-0002		
<b>Landini</b>	UTTO		

## Q8 T 5000 10W-40

Q8 T 5000 is an excellent synthetic based tractor universal oil that offers an outstanding performance and excellent protection. It meets the API CF-4/SF and several OEM transmission requirements.

### Benefits

- Excellent transmission lubrication.
- Outstanding hydraulic fluid properties.
- Limits wet brake noise while limiting friction plate wear.
- Excellent response of hydraulic components.
- Excellent anti-foaming properties.

### Specifications & approvals

<b>ACEA</b>	E3	<b>Ford</b>	M2C 159-C
<b>Allison</b>	C-4	<b>Ford</b>	M2C 41-B
<b>API</b>	CF-4	<b>John Deere</b>	JDM J20C
<b>API</b>	GL-4	<b>John Deere</b>	JDM J27
<b>Case</b>	MS 1118	<b>Massey Ferguson</b>	CMS M 1127
<b>Case</b>	MS 1207	<b>Massey Ferguson</b>	CMS M 1139
<b>Case</b>	MS 1209	<b>Massey Ferguson</b>	CMS M 1141
<b>Case New Holland</b>	MAT 3525	<b>Massey Ferguson</b>	CMS M 1144
<b>DIN</b>	51524-3 HVLDP	<b>Massey Ferguson</b>	CMS M 1145
<b>Fiat</b>	AF 87	<b>New Holland</b>	NH 410-B
<b>Ford</b>	M2C 121-D	<b>ZF</b>	TE-ML 06B
<b>Ford</b>	M2C 134-D	<b>ZF</b>	TE-ML 07B



**Q8 T 1000 (D) 10W-30**

Q8 T 1000 (D) 10W-30 is a super tractor universal oil that guarantees an excellent performance for your vehicle and equipment assets. It meets the requirements of API, ACEA and several OEMs.

**Benefits**

- Excellent transmission lubrication.
- Outstanding hydraulic fluid properties.
- Limits wet brake noise while limiting friction plate wear.
- Excellent response of hydraulic components.
- Excellent anti-foaming properties.

**Specifications & approvals**

ACEA	E7	Massey Ferguson	CMS M 1141
API	CI-4	Massey Ferguson	CMS M 1144
API	GL-4	Massey Ferguson	CMS M 1145
Case	MS 1207	MB	228.3
Case New Holland	MAT 3525	New Holland	NH 324-B
Ford	M2C 121-E	New Holland	NH 410-B
Ford	M2C 134-D	New Holland	NH 540-B
Ford	M2C 159-C	ZF	TE-ML 06B/ 06C
Ford	M2C 41-B	ZF	TE-ML 06D
John Deere	JDM J27	ZF	TE-ML 06N
Massey Ferguson	CMS M 1127	ZF	TE-ML 07B
Massey Ferguson	CMS M 1135		
Massey Ferguson	CMS M 1139		

**Q8 T 1000 15W-40**

Q8 T 1000 15W-40 is a super tractor universal oil that guarantees an excellent performance for your machine. It meets the requirements of API, ACEA and several OEMs.

**Benefits**

- Excellent transmission lubrication.
- Outstanding hydraulic fluid properties.
- Limits wet brake noise while limiting friction plate wear.
- Excellent response of hydraulic components.
- Excellent anti-foaming properties.

**Specifications & approvals**

ACEA	E3	Massey Ferguson	CMS M 1135
Allison	C-4	Massey Ferguson	CMS M 1139
API	CE	Massey Ferguson	CMS M 1143
API	CF	Massey Ferguson	CMS M 1144
API	GL-4	Massey Ferguson	CMS M 1145
Case New Holland	MAT 3525	MB	227.1
Case New Holland	MAT 3526	New Holland	NH 024-C
Ford	M2C 134-D	New Holland	NH 030-C
Ford	M2C 159-B	New Holland	NH 410-B
Ford	M2C 159-C	New Holland	NH 420-A
John Deere	JDM J20C	ZF	TE-ML 06B
John Deere	JDM J27	ZF	TE-ML 06C

**Q8 T 2400 BIO**

Q8 T 2400 BIO SAE 80W is a biodegradable universal tractor transmission fluid. This eco-friendly fluid is based on rapeseed oil and therefore 65% biodegradable (OECD 301B).

**Benefits**

- Excellent response of hydraulic components.
- Excellent transmission lubrication.
- Superb protection against equipment component corrosion.
- Excellent prevention of foam formation.
- Outstanding protection against rust.

**Specifications & approvals**

API	GL-4	Ford	M2C 134-D
Case	MS 1207	John Deere	JDM J20C
Case	MS 1209	Massey Ferguson	CMS M 1143
Case New Holland	MAT 3505	Massey Ferguson	CMS M 1145
Case New Holland	MAT 3525	Valtra Valmet	6400
FNHA	2-C-201		

**Q8 TO-4 Fluid**

Q8 TO-4 Fluid is an outstanding transmission fluid, especially formulated for Caterpillar, offering low temperature protection and preventing oxidation and deposit formation.

Available viscosities: SAE 10W/30/50/60

**Benefits**

- Superior gear protection under shock load conditions.
- Exceptional wear protection under heavy duty operating conditions.
- Superior protection against wear and extends component life.
- Superior protection against rust and corrosion.

**Specifications & approvals**

Allison	C-4	Komatsu Dresser	Micro-Clutch
Caterpillar	TO-4	ZF	TE-ML 03C
Eaton/Fuller			

**Q8 FD-1 Fluid**

Q8 FD-1 Fluid is a dedicated Final Drive and Axle Oil (FDAO) designed for Caterpillar and other OEM equipment specifying Caterpillar FD-1 performance.

Available viscosities: SAE 50/60

**Benefits**

- Exceptional wear protection under heavy duty operating conditions.
- Superior gear protection under shock load conditions.
- Superior protection against wear and extends component life.
- Superior protection against rust and corrosion.
- Exceptional internal friction reduction.

**Specifications & approvals**

Caterpillar	FD-1
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# Automatic Transmission Fluids



## Q8 Auto 15 S

Q8 Auto 15 S is a superior performance synthetic automatic transmission fluid for heavy duty vehicles. It meets the specifications of ZF, Allison Transmission, Mercedes-Benz and Voith.

### Benefits

- Full synthetic formulation to provide an extreme thermal stability.
- Superior protection against wear and extends component life.
- Superior gear protection under heavy duty conditions.
- Exceptional wear protection under heavy duty operating conditions.
- Exceptional internal friction reduction.

### Specifications & approvals

<b>Allison</b>	TES-295	<b>Voith</b>	H55.6336.xx
<b>Allison</b>	TES-389	<b>ZF</b>	TE-ML 14C
<b>Allison</b>	TES-468	<b>ZF</b>	TE-ML 16S
<b>GM</b>	Dexron III G	<b>ZF</b>	TE-ML 20C
<b>MAN</b>	339 Type V2	<b>ZF</b>	TE-ML 25C
<b>MAN</b>	339 Type Z3		
<b>MB</b>	236.91		

## Q8 Auto 15 ED

Q8 Auto 15 ED is a dedicated heavy duty ATF with extended drain approval for ZF TE-ML 14B and Voith DIWA H55.6336.3X. Q8 Auto 15 ED guarantees an increased reliability.

### Benefits

- Superior protection against wear and extends component life.
- Superior protection against rust and corrosion.
- Superior gear protection under heavy duty conditions.
- Exceptional low temperature fluidity and wide temperature operating range.

### Specifications & approvals

<b>Allison</b>	C-4	<b>MB</b>	236.5
<b>Allison</b>	TES-389	<b>MB</b>	236.9
<b>Chrysler</b>	ATF+3	<b>Voith</b>	H55.6336.xx
<b>Ford</b>	Mercon	<b>Volvo</b>	97341 (AT 101)
<b>GM</b>	ATF Type A	<b>ZF</b>	TE-ML 02F
	(Suffix A)	<b>ZF</b>	TE-ML 03D
<b>GM</b>	Dexron III H	<b>ZF</b>	TE-ML 04D
<b>MAN</b>	339 Type L1	<b>ZF</b>	TE-ML 09
<b>MAN</b>	339 Type V2	<b>ZF</b>	TE-ML 11B
<b>MAN</b>	339 Type Z1	<b>ZF</b>	TE-ML 14B
<b>MB</b>	236.1	<b>ZF</b>	TE-ML 16L
<b>MB</b>	236.10	<b>ZF</b>	TE-ML 17C
<b>MB</b>	236.11		

## Q8 Auto 14

Q8 Auto 14 is an advanced transmission fluid, mainly for heavy duty applications. It offers optimum experience in all sorts of driving conditions.

### Benefits

- Advanced protection against wear and extends component life.
- High protection against rust and corrosion.
- Cold starting improvement.

### Specifications & approvals

<b>Allison</b>	C-4	<b>MB</b>	236.5
<b>Ford</b>	M2C 138-CJ	<b>MB</b>	236.7
<b>Ford</b>	M2C 166-H	<b>Voith</b>	H55.6335.xx
<b>Ford</b>	M2C 185-A	<b>Volvo</b>	97325
<b>Ford</b>	M2C 186-A	<b>Volvo</b>	97335
<b>GM</b>	6137M	<b>Volvo</b>	97340
<b>GM</b>	Dexron II D	<b>ZF</b>	TE-ML 02F
<b>Komatsu Dresser</b>	B22-0004	<b>ZF</b>	TE-ML 03D
<b>MAN</b>	339 Type L2	<b>ZF</b>	TE-ML 04D
<b>MAN</b>	339 Type V1	<b>ZF</b>	TE-ML 09
<b>MAN</b>	339 Type Z1	<b>ZF</b>	TE-ML 14A
<b>MB</b>	236.1	<b>ZF</b>	TE-ML 17C





## Q8 Auto 16

Q8 Auto 16 is an advanced automatic transmission fluid for passenger cars and light commercial vehicles, power steering systems and hydraulic applications, for example in farming equipment.

### Benefits

- Exceptional wear protection under heavy duty operating conditions.
- Outstanding protection against rust and corrosion.
- Superb gear protection under heavy duty conditions.
- Excellent low temperature fluidity and wide temperature operating range.

## Specifications & approvals

Ford	M2C 33-F
Ford	M2C 33-G
Ford	SQM-2C9007-AA
John Deere	JDM J21A
Volvo	97301
Volvo	97330

## Q8 Auto Special

A synthetic fluid with a high viscosity index. It performs very well in hydraulic systems under severe conditions, with limited oil quantities, high temperatures, and in humid and dusty environments.

### Benefits

- Outstanding protection against wear and extends component life.
- Excellent cold starting characteristics.
- Superb gear protection under heavy duty conditions.
- Excellent low temperature fluidity and wide temperature operating range.

## Specifications & approvals

# Axle Oils



Product	Base Oil	API	Gearbox	Axle	Limited Slip
Q8 Trans XGN 75W-90	Synthetic	GL-4/GL-5	✓	✓	
Q8 Trans XGS 75W-90	Synthetic	GL-4/GL-5	✓	✓	
Q8 Gear Oil XG 80W-90	Mineral	GL-4/GL-5	✓	✓	
Q8 Axle Oil XG 80W-140	Mineral	GL-4/GL-5	✓	✓	
Q8 T 65 75W-90	Synthetic	GL-5		✓	
Q8 T 55 80W-90	Mineral	GL-5		✓	
Q8 T 55 85W-140	Mineral	GL-5		✓	
Q8 T 55 SAE 90	Mineral	GL-5		✓	
Q8 T 45 LS SAE 90	Mineral	GL-5 LS		✓	✓
Q8 T 35 80W-90	Mineral	GL-4	✓		
Q8 T 35 SAE 80W	Mineral	GL-4	✓		
Q8 T 35 SAE 90	Mineral	GL-4	✓		





## Q8 Trans XGS 75W-90

Q8 Trans XGS 75W-140 is a superior transmission fluid designed for heavy duty driveline components. The product offers exceptional protection against extreme pressure and wear.

### Benefits

- Excellent low temperature fluidity and wide temperature operating range.
- Outstanding internal friction reduction.
- Outstanding axle wear protection.
- Exceptional wear protection under heavy duty operating conditions.
- Outstanding protection against rust and corrosion.

### Specifications & approvals

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

## Q8 Trans XGN 75W-90

Q8 Trans XGN 75W-90 is a supreme transmission fluid designed for heavy duty driveline components. The product offers exceptional protection against extreme pressure and wear.

### Benefits

- Exceptional low temperature fluidity and wide temperature operating range.
- Exceptional internal friction reduction.
- Superior axle wear protection.
- Exceptional wear protection under heavy duty operating conditions.
- Superior protection against rust and corrosion.

### Specifications & approvals

API	GL-4	Scania	STO 2:0A
API	GL-5	Volvo	97312
API	MT-1	ZF	TE-ML 02B
MAN	341 Type E3	ZF	TE-ML 05A
MAN	341 Type Z2	ZF	TE-ML 12L
MAN	342 Type M3	ZF	TE-ML 12N
MAN	342 Type S1	ZF	TE-ML 16F
MB	235.8	ZF	TE-ML 17B
MIL	PRF-2105E	ZF	TE-ML 19C
SAE	J 2360	ZF	TE-ML 21A
Scania	STO 1:0		

## Q8 Gear Oil XG 80W-90

Q8 Gear Oil XG 80W-90 is an advanced universal gear and axle fluid, especially formulated for use in both axles and synchronised and non-synchronised manual transmissions.

### Benefits

- Excellent easy gear shifting at low temperatures.
- Outstanding protection against wear and extends component life.
- Superb gear protection under heavy duty conditions.
- Outstanding protection against rust and corrosion.

### Specifications & approvals

API	GL-4	ZF	TE-ML 02B
API	GL-5	ZF	TE-ML 05A
MAN	341 Type E2	ZF	TE-ML 12L
MAN	341 Type Z2	ZF	TE-ML 12M
MAN	342 Type M2	ZF	TE-ML 16B
SAE	J 2360	ZF	TE-ML 17B
Scania	STO 1:0	ZF	TE-ML 17H
		ZF	TE-ML 19B
		ZF	TE-ML 21A

## Q8 Axle Oil XG 80W-140

Q8 Axle Oil XG 80W-140 provides superb durability and performance. It meets the requirements of SAE J2360 and European OEMs or component manufacturers such as Scania and ZF.

### Benefits

- Outstanding protection against wear and extends component life.
- Outstanding axle wear protection.
- Outstanding protection against rust and corrosion.
- Outstanding elastomer compatibility

### Specifications & approvals

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

## Q8 T 65 75W-90

Q8 T 65 75W-90 is a superior synthetic lubricant for heavy duty equipment such as rear-axes, final drives, requiring special low temperature fluidity.

### Benefits

- Full synthetic formulation to provide an extreme thermal stability.
- Superb fuel economy benefits, especially when used in axles.
- Reduces drive-line operating temperatures.
- Outstanding internal friction reduction.
- Outstanding protection against rust and corrosion.

### Specifications & approvals

API	GL-5	Tatra	TDS 100/40
Clark	ALC-1 5M	Volvo	97312
	7-80 KE		(<2013)
Clark	TLC-25 3M 8-83	ZF	TE-ML 05A
Eaton/Fuller	Bulletin 2052	ZF	TE-ML 07A
Eaton/Fuller	Bulletin 2053	ZF	TE-ML 12A
Eaton/Fuller	Form 121	ZF	TE-ML 17B
Ford	M2C 175-A		
GM	1940759		
	(90188629)		
MB	235.0		
Rockwell	O-76-E		
International			

## Q8 T 55 80W-90

Q8 T 55 80W-90 is an advanced heavy duty gear lubricant suitable for extreme pressure and shock loading situations. The product is recommended for heavy duty axles requiring API GL-5 specification.

### Benefits

- Exceptional wear protection under heavy duty operating conditions.
- Outstanding protection against wear and extends component life.
- Superb gear protection under shock load conditions.
- Outstanding protection against rust and corrosion.
- Improved shear stability for a stable viscosity during use

### Specifications & approvals

API	GL-5	MB	235.0
Case	MS 1316	MIL	L-2105D
Clark	ALC-1 5M	Rockwell	O-76
	7-80 KE	International	
Clark	MS-8 Rev. 1	Volvo	97310
Clark	TLC-25 3M 8-83	ZF	TE-ML 05A
Ford	SM-2C-1011A	ZF	TE-ML 07A
Ford	SQM-2C9002-AA	ZF	TE-ML 12A
John Deere	JDM J11E	ZF	TE-ML 16B
Komatsu Dresser	B22-0003	ZF	TE-ML 16C
Komatsu Dresser	B22-0005	ZF	TE-ML 17B
MAN	342 Type M1	ZF	TE-ML 19B
		ZF	TE-ML 21A

## Q8 T 55 85W-140

Q8 T 55 85W-140 is an advanced heavy duty gear lubricant suitable for extreme pressure and shock loading situations. The product is recommended for heavy duty axles requiring API GL-5 specification.

### Benefits

- Exceptional wear protection under heavy duty operating conditions.
- Outstanding protection against wear and extends component life.
- Superb gear protection under shock load conditions.
- Outstanding protection against rust and corrosion.
- Very shear stable formulation

### Specifications & approvals

API	GL-5	MIL	L-2105D
Case	MS 1316	Rockwell	O-76
Clark	ALC-1 5M	International	
	7-80 KE	Volvo	97310
Clark	MS-8 Rev. 1	ZF	TE-ML 05A
Clark	TLC-25 3M 8-83	ZF	TE-ML 07A
Ford	SM-2C-1011A	ZF	TE-ML 12A
Ford	SQM-2C9002-AA	ZF	TE-ML 16B
John Deere	JDM J11E	ZF	TE-ML 16C
Komatsu Dresser	B22-0003	ZF	TE-ML 16D
Komatsu Dresser	B22-0005	ZF	TE-ML 17B
MAN	342 Type M1	ZF	TE-ML 19B
MB	235.0	ZF	TE-ML 21A

## Q8 T 55 SAE 90

Q8 T 55 SAE 90 is an advanced heavy duty gear lubricant suitable for extreme pressure and shock loading situations. The product is recommended for heavy duty axles requiring API GL-5 specification.

### Benefits

- Exceptional wear protection under heavy duty operating conditions.
- Outstanding protection against wear and extends component life.
- Superb gear protection under shock load conditions.
- Outstanding protection against rust and corrosion.
- Very shear stable formulation

### Specifications & approvals

API	GL-5	MIL	L-2105B
Case	MS 1316	Rockwell	O-76
Clark	ALC-1 5M	International	
	7-80 KE	Volvo	97310
Clark	MS-8 Rev. 1	ZF	TE-ML 05A
Clark	TLC-25 3M 8-83	ZF	TE-ML 07A
Ford	SM-2C-1011A	ZF	TE-ML 12A
Ford	SQM-2C9002-AA	ZF	TE-ML 16B
John Deere	JDM J11E	ZF	TE-ML 16C
Komatsu Dresser	B22-0003	ZF	TE-ML 17B
Komatsu Dresser	B22-0005	ZF	TE-ML 19B
MAN	342 Type M1	ZF	TE-ML 21A
MB	235.0		

## Q8 T 45 LS SAE 90

Q8 T 45 LS SAE 90 is an advanced rear axle fluid. The product is formulated for limited-slip differentials due to the accurate selection of refined base oils and superb quality additives.

### Benefits

- Excellent limited slip due to special friction modifier additive.
- Outstanding axle wear protection.
- Outstanding protection against wear and extends component life.
- Outstanding protection against rust and corrosion.

### Specifications & approvals

API	GL-5 LS	MIL	L-2105B
Ford	M2C 119-A	Volvo	97311
Ford	M2C 154-A	ZF	TE-ML 05C
GM	1942382	ZF	TE-ML 12C
	(90006326)	ZF	TE-ML 16E
Hanomag	511	ZF	TE-ML 21C
Specification			

## Q8 T 35 80W-90

Q8 T 35 80W-90 is an advanced manual transmission fluid, developed for synchromesh transmissions. It meets the requirements of the API GL-4 specification.

### Benefits

- Advanced protection against wear and extends component life.
- High protection against rust and corrosion.
- Excellent easy gear shifting at low temperatures and extended equipment life.
- Stay-in grade shear stability

### Specifications & approvals

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



## Q8 T 35 SAE 80W

Q8 T 35 SAE 80W is an advanced manual transmission fluid, developed for synchromesh transmissions. It meets the requirements of the API GL-4 specification.

### Benefits

- Outstanding protection against wear and extends component life.
- Outstanding protection against rust and corrosion.
- Excellent easy gear shifting at low temperatures and extended equipment life.
- Stay-in grade shear stability

### Specifications & approvals

<b>API</b>	GL-4	<b>MB</b>	235.1
<b>Eaton/Fuller</b>	Bulletin 2052	<b>ZF</b>	TE-ML 02B
<b>Eaton/Fuller</b>	Bulletin 2053	<b>ZF</b>	TE-ML 08
<b>Eaton/Fuller</b>	Form 121	<b>ZF</b>	TE-ML 16A
<b>Ford</b>	SM-2C-1011A	<b>ZF</b>	TE-ML 17A
<b>Ford</b>	SQM-2C9008-A	<b>ZF</b>	TE-ML 19A
<b>GM</b>	194075 (90001777)		
<b>John Deere</b>	JDM J11B		
<b>MAN</b>	341 Type E1		
<b>MAN</b>	341 Type Z1		
<b>MAN</b>	341 Type Z2		

## Q8 T 35 SAE 90

Q8 T 35 SAE 90 is an advanced manual transmission fluid, developed for synchromesh transmissions. It meets the requirements of the API GL-4 specification.

### Benefits

- Outstanding protection against wear and extends component life.
- Outstanding protection against rust and corrosion.
- Excellent easy gear shifting at low temperatures and extended equipment life.

### Specifications & approvals

<b>API</b>	GL-4	<b>MAN</b>	341 Type E1
<b>Eaton/Fuller</b>	Bulletin 2052	<b>MAN</b>	341 Type Z1
<b>Eaton/Fuller</b>	Bulletin 2053	<b>MB</b>	235.1
<b>Eaton/Fuller</b>	Form 121	<b>ZF</b>	TE-ML 02B
<b>Ford</b>	SM-2C-1011A	<b>ZF</b>	TE-ML 08
<b>Ford</b>	SQM-2C9008-A	<b>ZF</b>	TE-ML 16A
<b>GM</b>	194075 (90001777)	<b>ZF</b>	TE-ML 17A
<b>John Deere</b>	JDM J11B	<b>ZF</b>	TE-ML 19A



# Gear Oils



## Q8 Goya

Q8 Goya is an advanced mineral oil that guarantees a long service life thanks to its oxidation and thermal stability. This oil provides an optimum wear and corrosion protection.

**Available viscosities:** 46/68/100/150/220/320/460/680/1000

### Benefits

- Minimizes downtime which leads to a higher maintenance efficiency
- Advanced anti-wear characteristics
- Advanced protection against corrosion
- Highly resistant to oil deterioration

## Specifications & approvals

<b>ANSI/AGMA</b>	9005-E02
<b>DIN</b>	51517-3 CLP
<b>ISO</b>	12925-1
	CKC-CKD

## Q8 El Greco

Q8 El Greco is an excellent industrial synthetic gear oil based on the PAO-technology. The oil has outstanding cold start abilities, a long lifetime and exceeds the standards for gear lubricants.

**Available viscosities:** 68/100/150/220/320/460/680

### Benefits

- Enhanced efficiency of operations, equipment and machines
- Excellent synthetic oil
- Excellent friction reduction
- Excellently recommended in a wide range of temperatures

## Specifications & approvals

<b>DIN</b>	51517-3 CLP-HC
<b>ISO</b>	12925-1
	CKC-CKD
<b>ANSI/AGMA</b>	9005-E02

## Q8 Galilei

Q8 Galilei is a superior synthetic industrial gear oil that guarantees the highest level of protection. Its characteristics improve energy efficiency compared to mineral and PAO-based oil.

**Available viscosities:** 150/220/320/460/680

### Benefits

- Enhanced efficiency of operations, equipment and machines
- Superior decrease of friction
- Extremely appropriate for use in a wide range of temperatures
- Extensive oil drain interval for a longer lubricant lifetime
- Superior synthetic oil

## Specifications & approvals

<b>DIN</b>	51517-3 CLP
<b>ANSI/AGMA</b>	9005-E02
<b>IEC</b>	61400-4
<b>Siemens Flender</b>	MD rev. 15
<b>Hansen Sumitomo</b>	
<b>Moventas</b>	Field trial
<b>Winergy</b>	Field trial

# Coolants



## Q8 Antifreeze Lobrid

Q8 Antifreeze Lobrid is a superior engine coolant fluid using a hybrid Silicate-Organic Acid Technology. It protects against corrosion and guarantees a long service life.

### Benefits

- Reduces repairs of thermostat, radiator and water pump thus cost and downtime
- Outstanding hard water stability
- Excellent protection against corrosion for all metals and alloys.
- Excellent service life due to chemical stability.
- Superb cavitation corrosion prevention.

## Specifications & approvals

<b>Bentley</b>	VW TL 774 G (G12++)
<b>Bugatti</b>	VW TL 774 G (G12++)
<b>Cummins</b>	CES 14603
<b>Lamborghini</b>	VW TL 774 G (G12++)
<b>Liebherr</b>	LH-01-COL3A
<b>MAN</b>	324 Type Si-OAT
<b>MB</b>	325.5
<b>MB</b>	325.6
<b>VAG</b>	VW TL 774 G (G12++)

## Q8 Antifreeze Lobrid EC-1 premixed

Q8 Antifreeze Lobrid EC-1 Premixed is a mono ethylene glycol based coolant that protects the engine from corrosion, freezing and boiling. It is formulated with a Lobrid inhibitor technology.

### Benefits

- Outstanding long life protection against all forms of corrosion.
- Reduces repairs of thermostat, radiator and water pump thus cost and downtime
- Excellent hard water stability due to the absence of silicates and phosphates.
- Outstanding protection of the cooling system in a wide range of operating conditions
- Outstanding and extended corrosion protection due to synergistic effects.

## Specifications & approvals

<b>ASTM</b>	D 6210	<b>MIL-Sweden</b>	FSD 8704
<b>BS</b>	6580	<b>NATO</b>	S-759
<b>Caterpillar</b>	EC-1	<b>Önorm</b>	V5123
<b>France NFR</b>	15-601	<b>SAE</b>	J 1034
<b>FVV Heft</b>	R 443	<b>TMC</b>	RP 329
<b>JASO</b>	M325	<b>UNE</b>	26-361-88/1
<b>JIS</b>	K 2234	<b>US Federal</b>	AA-5262
<b>KSM</b>	2142		
<b>MIL-Belgium</b>	BT-PS-606 A		
<b>MIL-France</b>	DCSEA 615/C		
<b>MIL-Italy</b>	E/L-1415b		

## Q8 Antifreeze Long Life Premixed

Q8 Antifreeze Long Life Premixed is a superior fluid that protects against freezing, boiling and corrosion of the cooling system. The long life is obtained by non-depleting corrosion inhibitors.

### Benefits

- Exceptional long life protection against all forms of corrosion.
- Reduces repairs of thermostat, radiator and water pump thus cost and downtime
- Superior and extended corrosion protection due to synergistic effects.
- Best-in-class cavitation corrosion prevention.
- Environmentally friendly corrosion inhibitor package.

## Specifications & approvals

<b>ASTM</b>	D 4656	<b>Liebherr</b>	MD1-36-130
<b>ASTM</b>	D 4985	<b>MAN</b>	324 Type SNF
<b>ASTM</b>	D 6210	<b>MB</b>	326.3
<b>Case New Holland</b>	MAT 3624	<b>Opel Vauxhall</b>	GMW 3420
<b>Cummins</b>	CES 14439	<b>Renault</b>	41-01-001/S
<b>Cummins</b>	CES 14603		Type D
<b>DAF</b>	74002	<b>SAE</b>	J 1034
<b>Deutz</b>	DQC CB-14	<b>VAG</b>	VW TL 774 D (G12)
<b>Fendt</b>		<b>VAG</b>	VW TL 774 F (G12+)
<b>Ford</b>	M97B44-D		
<b>INNIO Jenbacher</b>	TA 1000-0201	<b>Volvo Penta</b>	
<b>JIS</b>	K 2234	<b>Volvo Trucks</b>	
<b>Komatsu</b>	KES 07.892	<b>Wärtsilä</b>	32-9011

## Q8 Antifreeze Long Life

Q8 Antifreeze Long Life is a superior fluid that protects against freezing, boiling and corrosion of the cooling system. The long life is obtained by non-depleting corrosion inhibitors.

### Benefits

- Exceptional long life protection against all forms of corrosion.
- Reduces repairs of thermostat, radiator and water pump thus cost and downtime
- Superior and extended corrosion protection due to synergistic effects.
- Best-in-class cavitation corrosion prevention.
- Environmentally friendly corrosion inhibitor package.

## Specifications & approvals

<b>ASTM</b>	D 3306	<b>Liebherr</b>	MD1-36-130
<b>ASTM</b>	D 4656	<b>MAN</b>	324 Type SNF
<b>ASTM</b>	D 4985	<b>MB</b>	325.3
<b>ASTM</b>	D 6210	<b>MTU</b>	MTL 5048
<b>Case New Holland</b>	MAT 3624	<b>Opel Vauxhall</b>	GMW 3420
<b>Cummins</b>	CES 14439	<b>Renault</b>	41-01-001/S
<b>Cummins</b>	CES 14603		Type D
<b>DAF</b>	74002	<b>SAE</b>	J 1034
<b>Deutz</b>	DQC CB-14	<b>VAG</b>	VW TL 774 D (G12)
<b>Ford</b>	M97B44-D	<b>VAG</b>	VW TL 774 F (G12+)
<b>INNIO Jenbacher</b>	TA 1000-0201		
<b>JIS</b>	K 2234	<b>Volvo Trucks</b>	
<b>Komatsu</b>	KES 07.892	<b>Wärtsilä</b>	32-9011



## Q8 Antifreeze Premixed

Q8 Antifreeze Premixed is an excellent ethylene glycol based engine coolant. It is free from amines, phosphates and nitrites and is ready to use without adding water.

## Specifications & approvals

<b>Afnor</b>	NFR 15-601	<b>FVV Heft</b>	R 443
<b>ASTM</b>	D 3306	<b>JIS</b>	K 2234
<b>ASTM</b>	D 4656	<b>SAE</b>	J 1034
<b>CUNA</b>	NC 956-16	<b>UNE</b>	26-361-88/1

## Benefits

- Superb corrosion protection of coolant system metal compositions and solders.
- Outstanding compatibility with car paint and finishes.
- Outstanding system metal corrosion protection.
- Outstanding compatibility with system rubber seals
- All seasons type engine coolant.

## Q8 Antifreeze

Q8 Antifreeze is an excellent ethylene glycol based engine coolant concentrate. It is free from amines, phosphates and nitrites.

## Specifications & approvals

<b>Afnor</b>	NFR 15-601	<b>FVV Heft</b>	R 443
<b>ASTM</b>	D 3306	<b>JIS</b>	K 2234
<b>ASTM</b>	D 4656	<b>SAE</b>	J 1034
<b>BS</b>	6580	<b>UNE</b>	26-361-88/1
<b>CUNA</b>	NC 956-16		

## Benefits

- Superb corrosion protection of coolant system metal compositions and solders.
- Outstanding compatibility with car paint and finishes.
- Outstanding system metal corrosion protection.
- Outstanding compatibility with system rubber seals
- All seasons type engine coolant.



# Brake Fluids



## Q8 Brake Fluid DOT 4 LV

Q8 Brake Fluid DOT 4 LV is an exceptional fluid for hydraulic brake and clutch systems. The fluid has a high boiling point, an anti vapour lock and exceptional anti-wear and -corrosion properties.

### Benefits

- Outstanding vehicle safety due to the very high boiling point/low vapor pressure providing anti-vapor lock characteristics.
- Outstanding lubricity causes limited wear.
- Excellent quick brake response at high and low temperatures.
- Outstanding stable fluid characteristics.
- Outstanding system metal corrosion protection.

### Specifications & approvals

FMVSS	116 DOT 3
FMVSS	116 DOT 4
Ford	M6C65-A2
ISO	4925 Class 6
JIS	K 2233 Class 6
SAE	J 1703
SAE	J 1704
VAG	VW 501.14

## Q8 Brake Fluid DOT 4+

Q8 Brake Fluid DOT 4+ is an exceptional hydraulic fluid for brake and clutch systems with a very high boiling point (260°C). It offers superior lubricity and reduces friction.

### Benefits

- Outstanding vehicle safety due to the very high boiling point/low vapor pressure providing anti-vapor lock characteristics.
- Outstanding lubricity causes limited wear.
- Excellent quick brake response at high and low temperatures.
- Outstanding stable fluid characteristics.
- Outstanding system metal corrosion protection.

### Specifications & approvals

FMVSS	116 DOT 3
FMVSS	116 DOT 4
SAE	J 1703
SAE	J 1704

## Q8 LHM+

Q8 LHM+ is a hydraulic fluid with ultra high viscosity index (>300) that meets the requirements PSA B71 2710. It is water-resistant and offers advanced performance in humid conditions.

### Benefits

- Excellent low temperature viscosity performance for preserved suspension comfort and performance during cold driving conditions.
- Outstanding system metal corrosion protection.
- Outstanding stable fluid characteristics.
- Outstanding compatibility with system rubber seals

### Specifications & approvals

SAE	7308
PSA	B71 2710

# Hydraulic Fluids



	Zinc Based			Ashless					Biodegradable		Food Suitable Grades	Fire Resistant	
	No Detergent		Deter-gent	No Detergent				Deter-gent	Unsatu-rated	Satu-rated		HFC	HFDU
	Main	Shear Stable		Main Line	Brugger >30	Brugger >50	Low Pour Point						
VI: 100	Q8 Haydn		Q8 Heinrich	Q8 Holst	Q8 Holst EP	Q8 Holst XEP		Q8 Hubble					
VI: 150	Q8 Heller		Q8 Hoffmeister	Q8 Hanson				Q8 Huygens			Q8 Rossini HMG		
VI: 180	Q8 Handel	Q8 Hogarth		Q8 Halley					Q8 Holbein ECO	Q8 Holbein HP SE		Hydroglix	Estin S
VI: 300							Q8 Hindemith						

*Q8 hydraulic oils portfolio covers an extended range of applications. The highlighted products in the table above are recommended for construction and mining applications.*



## Q8 Handel

Q8 Handel has a very high viscosity index that exceeds the industrial standard. This results in exceptional flow properties. Its oxidation stability leads to longer drain intervals.

Available viscosities: 32/46/68

### Benefits

- Extends service life time thus minimal costs and maximal efficiency
- Outstandingly resistant to oil deterioration
- Exceptionally suitable for use in all seasons
- Optimum separation of water

## Specifications & approvals

DIN	51524-3 HVLP
Eaton Brochure	03-401-2010
ISO	11158 HV
Swedish Standard	SS 155434 AM

## Q8 Heller

Q8 Heller has a high viscosity index that exceeds the industrial standard which results in outstanding and precise flow properties. Its high oxidation stability leads to longer drain intervals.

Available viscosities: 32/46/68

### Benefits

- Lower downtime and an improved maintenance efficiency
- High protection against wear
- Optimum separation of water

## Specifications & approvals

Afnor	
DIN	51524-3 HVLP
ISO	11158 HV

## Q8 Haydn

Q8 Haydn is a zinc-based oil that can be used in all sorts of operations and industries. It consists of an optimum thermal and oxidation stability.

Available viscosities: 32/46/68

### Benefits

- Limited products needed thanks to versatile applications of lubricants
- Multi usage
- Outstanding oxidation stability
- Advanced performance against wear

## Specifications & approvals

DIN	51517-2 CL
DIN	51524-2 HLP
ISO	11158 HM

## Q8 Holbein Eco 46

Q8 Holbein Eco 46 is an exceptional synthetic oil and perfect for delicate areas and a wide range of temperatures. It is European Ecolabel approved and has a very high viscosity index.

### Benefits

- Minimizes downtime which leads to a higher maintenance efficiency
- Exceptionally high viscosity index
- Highly suitable for use in all seasons
- Outstanding flow characteristics

## Specifications & approvals

Bosch Rexroth	RE 90221 notes
DIN	51524-3 HVLP
ISO	15380 HEES
ISO	6743-4 HV

## Q8 Holbein HP SE Bio 46

Q8 Holbein HP SE Bio 46 is a superior synthetic saturated ester based lubricant that provides proven energy-efficiency and a long service lifetime. This lubricant is readily biodegradable.

### Benefits

- Extensive oil drain interval for a longer lubricant lifetime
- Excellent synthetic oil
- Outstanding oxidation stability
- Exceptional thermal durability

## Specifications & approvals

DIN	51524-3 HVLP
ISO	11158 HV
ISO	15380 HEES

## Q8 Heinichen

Q8 Heinichen is a zinc-based oil with excellent detergent functionalities. It disperses contaminants, water and other deposits without any loss of quality of the hydraulic oil.

Available viscosities: 32/46/68

### Benefits

- Limited downtime thanks to longer machinery lifetime
- Emulsifies entrained water
- Excellent cleaning properties
- Exceptional corrosion proof properties

## Specifications & approvals

DIN	51524-2 HLPD
ISO	6743-4 HM



# Greases



Product	NLGI Class	Soap Type	Operating Temperature Range (Peak) °C	4 Ball Weld Load N	DIN 51502	ISO 67439	Construction and mining applications
Q8 Giotto Complex	0.5	LiCa-X	-30/140 (180)	>7500	KPGOG0.5N-30	L-XCDIB0.5	✓
Q8 Multi LCX 1	1	LiCa	-20/140	3100	KP1K-20	L-XBCDB1	
Q8 Multi LCX 2	2	LiCa	-20/140	3100	KP2K-20	L-XBCDB2	✓
Q8 Redon PTFE	1.5	PTFE	-35/250 (270)	7500	KFK1.5U-35	L-XCGHA1.5	
Q8 Rembrandt EP 00 WV	00	Li	-30/100 (110)	2400	KP00G-30	L-XCBEB00	
Q8 Rembrandt EP 00	00	Li	-30/120	2450	KP00K-30	L-XCCHB00	✓
Q8 Rembrandt EP 0	0	Li	-30/120 (130)	2450	KP0K-30	L-XCCFB0	✓
Q8 Rembrandt EP 1	1	Li	-30/120 (130)	2450	KP1K-30	L-XCCFB1	✓
Q8 Rembrandt EP 2	2	Li	-30/120 (130)	2450	KP2K-30	L-XCCFB2	✓
Q8 Rembrandt EP 3	3	Li	-20/120 (130)	2600	KP3K-20	L-XBCFB3	✓
Q8 Rembrandt Moly	2	Li+MoS2	-30/120 (130)	2750	KPF2K-30	L-XCCHB2	✓
Q8 Renoir EP 142	2	LiCa	-18/145	3900	KP2H	L-XABIB2	
Q8 Rodin EP 202	2	CaSul-X	-30/140 (220)	7500	KP2N-30	L-XB(F)DIB2	✓
Q8 Rodin EP 415	1.5	CaSul-X	-20/140 (220)	5000	KP1.5N-20	L-XB(F)DIB1.5	
Q8 Rossini EP 2	2	Al-X	-20/120 (140)	6000	KP2K-20	L-XBCEB2	
Q8 Rubens 00	00	Li-X	-35/100 (120)	2350	KP00G-35	L-XCBIB00	
Q8 Rubens EM 2	2	Li-X	-30/140	2600	KP2N-30	L-XCDHB2	
Q8 Rubens EM 3	3	Li-X	-30/140 (160)	2600	KP3N-30	L-XCDEB3	
Q8 Rubens HT 2	2	Li-X	-20/140 (220)	3400	KP2N-20	L-XBDIB2	
Q8 Rubens PMS 222	2	Li-X	-40/150 (220)	3400	KPHC2N-40	L-XDDIB2	
Q8 Rubens PMS 462	2	Li-X	-40/150 (220)	3400	KPHC2N-40	L-XDDIB2	
Q8 Rubens WB /b	2	Li-X	-30/150 (230)	2750	KP2N-30	L-XCDIB2	✓
Q8 Ruysdael CL 2	2	LiCa	-20/120 (130)	6650	KP2K-20	L-XBCIB2	
Q8 Ruysdael SG	2.5	LiCa	-20/120 (130)	3200	KP2.5K-20	L-XBCHB2.5	
Q8 Ruysdael SMC 1002	2	LiCa	-20/120 (130)	> 7500	KPF2K-20	L-XB(F)CHB2	
Q8 Ruysdael WR	2	AnhCa	-20/120 (130)	2800	KP2K-20	L-XBCIB2	✓

LiCa-X: special lithium-calcium thickener	Li: lithium	Al-X: aluminium complex
LiCa: lithium-calcium thickener	Li+MoS2: lithium + molybdenum disulfide	Li-X: lithium complex
PTFE: polytetrafluorethylene thickener	CaSul-X: calcium sulphonate complex	AnhCa: anhydrous calcium



### Q8 Rembrandt EP 1

Q8 Rembrandt EP 1 has extreme pressure properties and has a long service life. This lithium grease has a smooth structure, an optimum roll stability, high anti-wear properties and rust protection.

### Specifications & approvals

**DIN**  
**ISO**

51502 KP1K-30  
6743 L-XCCFB1

### Benefits

- Improves the durability of the equipment thanks to its characteristics
- Extreme pressure characteristics
- Advanced mechanical stability
- Highly appropriate for use in a wide range of temperatures
- Optimum anti-rust characteristics

### Q8 Rembrandt EP 2

Q8 Rembrandt EP 2 has extreme pressure properties and has a long service life. This lithium grease has a smooth structure, an optimum roll stability, high anti-wear properties and rust protection.

### Specifications & approvals

**DIN**  
**ISO**

51502 KP2K-30  
6743 L-XCCFB2

### Benefits

- Improves the durability of the equipment thanks to its characteristics
- Extreme pressure characteristics
- Advanced mechanical stability
- Highly appropriate for use in a wide range of temperatures

### Q8 Rembrandt EP 3

Q8 Rembrandt EP 3 is a multi-purpose extreme pressure lithium grease. It has an NLGI grade 3 for protection against water and grease leakages from vertical mounted bearings.

### Specifications & approvals

**DIN**  
**ISO**

51502 KP3K-20  
6743 L-XBCFB3

### Benefits

- Improves the durability of the equipment thanks to its characteristics
- Extreme pressure characteristics
- Advanced mechanical stability
- Highly appropriate for use in a wide range of temperatures
- Optimum anti-rust characteristics

### Q8 Rembrandt EP 0

Q8 Rembrandt EP 0 has extreme pressure properties and has a long service life. This lithium grease has a smooth structure, an optimum roll stability and high anti-wear properties and rust protection.

### Specifications & approvals

**DIN**  
**ISO**

51502 KP0K-30  
6743 L-XCCFB0

### Benefits

- Lower downtime and an improved maintenance efficiency
- Advanced anti-wear characteristics
- Optimum roll stability
- Advanced flow properties of the grease

### Q8 Rembrandt EP 00

Q8 Rembrandt EP 00 is an advanced multi-purpose extreme pressure grease with optimum roll stability and pumpability. It's designed for centralised lubrication systems operating in rough conditions.

### Specifications & approvals

**DIN**  
**ISO**

51502 KP00K-30  
6743 L-XCCHB00

### Benefits

- Lower downtime and an improved maintenance efficiency
- Advanced anti-wear characteristics
- Optimum roll stability
- Advanced flow properties of the grease

### Q8 Rembrandt Moly 2

Q8 Rembrandt Moly 2 is an advanced grease with extreme pressure properties that contains MoS<sub>2</sub>. This leads to extra wear protection under high and shock loaded sliding and oscillating conditions.

### Specifications & approvals

**DIN**  
**ISO**

51502 KPF2K-30  
6743 L-XCCIB2

### Benefits

- Increased equipment lifetime thus less downtime of machinery
- Outstandingly resistant to rough conditions
- Excellent diminution of wear under boundary lubrication conditions
- Outstanding adhesive properties

## Q8 Ruysdael WR 2

Q8 Ruysdael WR 2 is water resistant calcium grease based on mineral oil with a very high viscosity. Its mechanical stability leads to an excellent resistance to softening.

## Specifications & approvals

**DIN**  
**ISO**

51502 KP2K-20  
6743 L-XBCIB2

### Benefits

- Lower downtime and an improved maintenance efficiency
- Outstanding adhesive characteristics
- Excellent high load carrying capacity

## Q8 Rubens WB/b

Q8 Rubens WB/b is a multi-purpose grease with extreme pressure properties and a long service life. It has a blue colour, an excellent roll stability and outstanding anti-wear characteristics.

## Specifications & approvals

**DIN**  
**ISO**

51502 KP2N-30  
6743 L-XCCIB2

### Benefits

- Decreased downtime thanks to increased maintenance efficiency
- Outstanding roll stability
- Excellent high load carrying capacity
- Highly suitable for a wide range of application

## Q8 Giotto Complex

Q8 Giotto Complex is a superior lubricating grease for heavily loaded open gears with exceptional heavy duty properties. It is free of dry lubricants but has an innovative built-in EP additive.

## Specifications & approvals

**DIN**  
**ISO**

51502 KPGOG0.5N-30  
6743 L-XCDIB0.5

### Benefits

- Extensive oil drain interval for a longer lubricant lifetime
- Superior adhesive properties
- Extreme high load carrying capacity
- Excellently high dropping point

## Rodin EP 202

Q8 Rodin EP 202 is a premium quality calcium sulphonate thickened grease with an exceptional load capacity. It is water and steam resistant, has an exceptional load capacity and extreme pumpability.

## Specifications & approvals

**DIN**  
**ISO**

51502 KP2N-30  
12924 L-XB(F)DIB2

### Benefits

- Minimizes downtime which leads to a higher maintenance efficiency
- Extremely resistant to water
- Exceptional corrosion proof properties
- Outstanding pumpability properties of the grease

## Q8 Multi LCX 2

Q8 Multi LCX 1 is a multi-purpose lithium calcium grease with advanced water resistance properties and an optimum roll stability. The green coloured grease has a long service life.

## Specifications & approvals

**DIN**  
**ISO**

51502 KP1K-20  
6743 L-XBCDB1

### Benefits

- Lower downtime and an improved maintenance efficiency
- Excellently water-resistant
- Outstanding roll stability
- Highly suitable for applications in a broad temperature spectrum
- Outstanding protection against rust



# Ancillary Products



## Q8 Chain Oil Bio

Q8 Chain oil Bio is an eco-friendly biodegradable chain and chainsaw fluid with a low oil consumption. Its bio-based components are carefully selected for usage in environmentally sensitive areas.

## Specifications & approvals

ISO

6743-1 L-AC

### Benefits

- Readily biodegradable
- Free of hazardous components
- High adherent characteristics
- Advanced performance against wear

## Q8 Multi spray

Q8 Multi-Spray is a versatile lubricant that cleans, protects, penetrates and lubricates. This all-in-one lubricant is indispensable for your daily work.

## Specifications & approvals

### Benefits

- Extreme penetrating effect
- Outstanding protection against corrosion
- Highly resistant to rust
- Advanced friction reduction
- Excellent cleaning properties

## Q8 Degreasing Fluid HFB

Q8 Degreasing Fluid HFB is an advanced biodegradable degreaser that emulsifies with water. It has a high flash point, low volatility and limits corrosion of copper and ferrous metals.

## Specifications & approvals

### Benefits

- User-friendly and improved operator working conditions
- Inherently biodegradable
- Odorless
- High flash point
- Advanced forming of emulsion

## Q8 Chain lube PTFE

Q8 Chain Lube PTFE is an excellent synthetic high adhesion spray lubricant for motorcycle chains containing PTFE. It provides a longer service life and has outstanding water resistance.

## Specifications & approvals

### Benefits

- Excellent adhesiveness to the chain.
- Outstanding prevention against flinging off the chain.
- Superb elastomer compatibility for use with o-ring type chains.
- Excellent protection against corrosion under all weather conditions.
- Excellent resistance to high temperatures and pressures.

## Q8 Ravel DTX 1203

Q8 Ravel DTX 1203 is a high flash point solvent based anti-corrosion fluid with excellent dewatering properties. After evaporation of the solvent the fluid leaves a thin oily protective film. The product quickly removes water moisture from the metal surface of components such as injectors, pipes, profiles, tubes, strip, bars and rods.

## Specifications & approvals

### Benefits

- Advanced protection against effect of water contamination at higher temperature
- Applicable on wet surfaces
- Improved operator working conditions
- High flash point

# Turbine Oils



## Q8 Volta

Q8 Volta is a ultra-high performance turbine oil, fitting in Q8Oils' clean technology program. It meets the challenges of latest generation turbines, making it suitable for all operating conditions.

Available viscosities: 32/46

### Benefits

- Superior oxidative stability, guaranteeing long oil life under continuous and severe operating conditions
- Engineered with superior air release properties, exceptional anti-foaming performance and rapid water separation to ensure problem-free service
- One product that combines exceptional thermal stability as needed for severe duty gas turbines as well as superior water separability for high performance steam turbine operations

## Specifications & approvals

<b>ASTM</b>	D 4304, Type I	<b>ISO</b>	6743-5 L-TSA 8068
<b>Alstom Power</b>	HTGD 90117	<b>ISO</b>	K 2213 Type 2 SPD
<b>British Standard</b>	489	<b>JIS</b>	10000494596
<b>DIN</b>	51515-1 L-TD	<b>MAN Turbo</b>	TLV 9013 04
<b>DIN</b>	51515-2 L-TG	<b>Siemens</b>	TLV 9013 05
<b>GE Energy</b>	GEK 107395	<b>Siemens</b>	
<b>GE Energy</b>	GEK 32568	<b>Siemens-</b>	
<b>ISO</b>	6743-5 L-TGA	<b>Westinghouse</b>	M-Spec 5125Z3
<b>ISO</b>	6743-5 L-TGB		
<b>ISO</b>	6743-5 L-TGSB		

## Q8 Volta EP

Q8 Volta EP is a ultra-high performance turbine oil, fitting in Q8Oils' clean technology program. It meets the challenges of latest generation turbines, making it suitable for all operating conditions.

Available viscosities: 32/46/68/100/150/230

### Benefits

- Superior oxidative stability, guaranteeing long oil life under continuous and severe operating conditions
- Engineered with superior air release properties, exceptional anti-foaming performance and rapid water separation to ensure problem-free service
- One product that combines exceptional thermal stability as needed for severe duty gas turbines as well as superior water separability for high performance steam turbine operations

## Specifications & approvals

<b>ASTM</b>	D 4304, Type II (EP)	<b>ISO</b>	6743-5 L-TSE 8068
<b>Alstom Power</b>	HTGD 90117	<b>ISO</b>	K 2213 Type 2 SPD
<b>British Standard</b>	489	<b>JIS</b>	10000494596
<b>DIN</b>	51515-1 L-TDP	<b>MAN Turbo</b>	MAT812108
<b>DIN</b>	51515-2 L-TGP	<b>Siemens</b>	TLV 9013 04
<b>GE Energy</b>	GEK 101941	<b>Siemens</b>	TLV 9013 05
<b>GE Energy</b>	GEK 107395	<b>Siemens</b>	
<b>GE Energy</b>	GEK 28143	<b>Siemens-</b>	
<b>GE Energy</b>	GEK 32568	<b>Westinghouse</b>	M-Spec 55125Z3
<b>ISO</b>	6743-5 L-TGE	<b>Solar Turbines</b>	ES 9-224 (Class II)
<b>ISO</b>	6743-5 L-TGF	<b>Turbomach</b>	ES 9-224 (Class II)
<b>ISO</b>	6743-5 L-TGSE		

## Q8 Van Gogh

Q8 Van Gogh is a high performance turbine oil, fitting in Q8Oils' clean technology program. It meets the challenges of latest generation turbines, making it suitable for all operating conditions.

Available viscosities: 22/32/46/68/100/150/220

### Benefits

- Long trouble free service life, excellent turbine protection and outstanding resistance against ageing
- Outstanding formulation in order to protect the turbine against corrosion and to minimize the build-up of deposits and lacquer in the turbine
- Specifically developed with excellent protection against the formation of varnish

## Specifications & approvals

<b>ASTM</b>	D 4304, Type I	<b>ISO</b>	6743-5 L-TSA 8068
<b>British Standard</b>	489	<b>ISO</b>	K 2213 Type 2
<b>DIN</b>	51515-1 L-TD	<b>JIS</b>	TLV 9013 04
<b>DIN</b>	51515-2 L-TG	<b>Siemens</b>	TLV 9013 05
<b>ISO</b>	6743-5 L-TGA	<b>Siemens</b>	

## Q8 Van Gogh EP

Q8 van Gogh EP is a high performance turbine oil, fitting in Q8Oils' clean technology program. It meets the challenges of latest generation turbines, making it suitable for all operating conditions.

Available viscosities: 32/46/68/100/150

### Benefits

- Long trouble free service life, excellent turbine protection and outstanding resistance against ageing
- Developed with outstanding anti-wear/extreme pressure protection to meet the load carrying requirements of geared turbines
- Specifically developed with excellent protection against the formation of varnish

## Specifications & approvals

<b>ASTM</b>	D 4304, Type II (EP)	<b>Siemens</b>	MAT812109
<b>British Standard</b>	489	<b>Siemens</b>	TLV 9013 04
<b>DIN</b>	51515-1 L-TDP	<b>Siemens</b>	TLV 9013 05
<b>DIN</b>	51515-2 L-TGP	<b>Siemens</b>	ES 9-224 (Class I)
	Fincantieri	<b>Solar Turbines</b>	ES 9-224 (Class I)
	ISPSH901SDI	<b>Turbomach</b>	
<b>GE Thermodyn</b>	6743-5 L-TGE		
<b>ISO</b>	6743-5 L-TSE		
<b>ISO</b>	8068		
<b>JIS</b>	K 2213 Type 2		

# Rock Drill Oils



## Q8 Chopin

Q8 Chopin is an advanced oil for pneumatic tools and rock drills. The anti-wear oil contains qualitative base oils and additives that provide optimum adhesiveness and emulsibility.

Available viscosities: 32/46/100/150/220

## Benefits

- Lower downtime and an improved maintenance efficiency
- Outstanding icing prevention through emulsification of water droplets
- Advanced adhesive properties
- Excellent protection against water washout

# Compressor Oils



## Q8 Schubert

Q8 Schubert is a high performance compressor oil based on selected premium (Group II) base fluids. This product is developed for use in all reciprocating-, rotary- and vane type compressors.

Available viscosities: 32/46/68/100/150

## Benefits

- Extended quality all-round product for every type of compressor and vacuum pump
- Formulated with high quality Group II base oil
- Outstanding deposit control to keep the compressor clean, even under severe conditions

## Specifications & approvals

DIN	51506 VDL
ISO	6743-3 DAA
ISO	6743-3 DAB
ISO	6743-3 DAG
ISO	6743-3 DAH
ISO	6743-3 DVA

## Q8 Schumann

Q8 Schumann 46 is an ultra-high performance compressor oil based on selected synthetic (PAO) base fluids. This product is developed for use in all reciprocating-, rotary- and vane type compressors.

Available viscosities: 32/46/68/100/150

## Benefits

- Developed to guarantee long trouble free service life, exceptional compressor protection and excellent resistance against ageing
- Formulated with superior quality synthetic base oil (PAO)
- Superior formulation to protect the compressor against rust/corrosion and to minimize the build-up of deposits

## Specifications & approvals

DIN	51506 VDL
ISO	6743-3 DAA
ISO	6743-3 DAB
ISO	6743-3 DAG
ISO	6743-3 DAH
ISO	6743-3 DAJ
ISO	6743-3 DVA
ISO	6743-4 L-HV

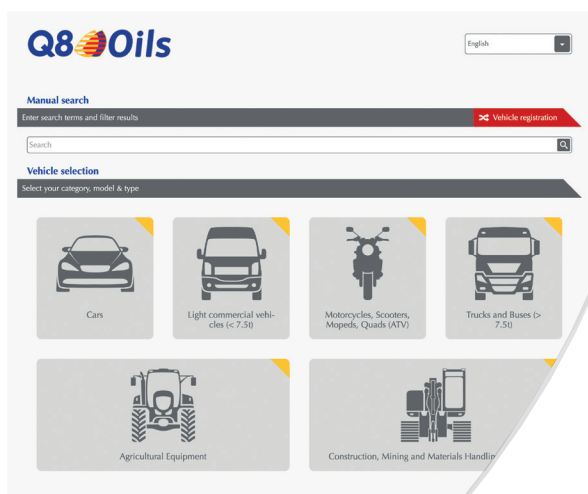
OEM	Engine	Transmission
<b>Bell</b>	Q8 Formula Truck 8500 10W-40 Q8 T 860 10W-40 Q8 Formula Truck 6500 10W-40 Q8 Formula Truck 6500 15W-50 Q8 T 750 15W-40 Q8 T 1000 15W-40 Q8 T 5000 10W-40	Q8 Auto 15 S Q8 T 2500 Q8 T 2200 Q8 T 1000 (D) 10W-30 Q8 T 1000 15W-40
<b>Bucyrus International</b>	Q8 Formula Truck 7000 15W-40 Q8 Goya 320/460/680 Q8 T 1000 15W-40 Q8 T 5000 10W-40	Q8 Goya 320/460/680
<b>Caterpillar</b>	Q8 Formula Truck 7000 10W-40 Q8 Formula Truck 7000 15W-40 Q8 T 760 10W-40 Q8 T 800 10W-40 Q8 T 750 15W-40	Q8 TO-4 Fluid SAE 30
<b>Demag</b>	Q8 T 750 15W-40	
<b>Euclid</b>	Q8 Formula Truck 7000 15W-40 Q8 T 200 SAE 40 Q8 T 750 15W-40 Q8 T 1000 15W-40 Q8 T 5000 10W-40	Q8 T 1000 15W-40 Q8 T 5000 10W-40 Q8 T 2200 Q8 TO-4 Fluid SAE 30 Q8 T 520 SAE 50
<b>Hitachi Construction Machinery</b>	Q8 Formula Truck 7000 10W-40 Q8 T 760 10W-40 Q8 Formula Truck 6500 10W-40 Q8 Formula Truck 6500 15W-50 Q8 T 860 10W-40 Q8 T 750 15W-40 Q8 T 520 SAE 30	Q8 T 1000 15W-40 Q8 T 5000 10W-40 Q8 TO-4 Fluid SAE 10W/30 Q8 T 520 SAE 10
<b>JCB</b>	Q8 Formula Truck 8500 10W-40 Q8 Formula Truck 7000 10W-40 Q8 Formula Truck 7000 15W-40 Q8 T 760 10W-40 Q8 T 860 10W-40 Q8 T 750 15W-40 Q8 T 1000 (D) 10W-30 Q8 T 1000 15W-40	Q8 Auto 15 ED Q8 TO-4 Fluid SAE 30 Q8 T 2300 CVT 10W-30 Q8 T 2200
<b>Komatsu</b>	Q8 Formula Truck 7000 10W-40 Q8 Formula Truck 7000 15W-40 Q8 T 760 10W-40 Q8 Formula Truck 6500 10W-40 Q8 Formula Truck 6500 15W-50 Q8 T 750 15W-40	Q8 TO-4 Fluid SAE 10W Q8 TO-4 Fluid SAE 30 Q8 T 2300 CVT 10W-30
<b>Liebherr</b>	Q8 Formula Truck 8500 10W-40 Q8 Formula Truck 7000 10W-40 Q8 Formula Truck 7000 15W-40 Q8 Formula Truck 6500 10W-40 Q8 Formula Truck 6500 15W-50 Q8 T 860 10W-40 Q8 T 760 10W-40 Q8 T 800 10W-40 Q8 T 750 15W-40	Q8 Trans XGS 75W-90 Q8 Gear Oil XG 80W-90 Q8 T 35 80W-90 Q8 T 5000 10W-40
<b>Metso</b>		
<b>Sandvik</b>	Q8 T 750 15W-40	
<b>Telsmith</b>		
<b>Terex-Finlay</b>	Q8 Formula Truck 8500 10W-40 Q8 Formula Truck 7000 15W-40 Q8 Formula Truck 6500 10W-40 Q8 Formula Truck 6500 15W-50 Q8 T 860 10W-40 Q8 T 760 10W-40 Q8 T 800 10W-40 Q8 T 750 15W-40 Q8 T 1000 15W-40 Q8 T 5000 10W-40	Q8 T 800 10W-40 Q8 T 750 15W-40 Q8 Auto 15 S Q8 Auto 15 ED Q8 Auto JK Q8 TO-4 Fluid SAE 30 Q8 T 2200 Q8 T 1000 15W-40 Q8 T 5000 10W-40
<b>Tesmec</b>	Q8 Formula Truck 7000 15W-40 Q8 T 750 15W-40	Q8 Auto Special Q8 T 2300 CVT Q8 T 2200
<b>Volvo</b>	Q8 Formula Truck 7000 15W-40 Q8 Formula Truck 6500 10W-40 Q8 Formula Truck 6500 15W-50 Q8 T 860 10W-40 Q8 T 760 10W-40 Q8 T 800 10W-40 Q8 T 750 15W-40	Q8 T 800 10W-40 Q8 T 750 15W-40



OEM	Gearbox / Transfer box	Axle/ Differential	Hydraulic
<b>Bell</b>	Q8 Auto 15 S	Q8 T 45 LS SAE 90 Q8 T 2500 Q8 T 2200 Q8 T 1000 (D) 10W-30 Q8 T 1000 15W-40	Q8 Haydn 46/68 Q8 Heller 46/68 Q8 T 750 15W-40 Q8 T 520 SAE 10W Q8 T 520 SAE 30 Q8 T 2200 Q8 T 2500 Q8 T 1000 15W-40 Q8 T 5000 10W-40
<b>Bucyrus International</b>	Q8 T 2200 Q8 Gear Oil XG 80W-90 Q8 T 35 80W-90 Q8 T 55 SAE 90		Q8 T 2200 Q8 Heller 32/68 Q8 Haydn 32/68
<b>Caterpillar</b>	Q8 TO-4 Fluid SAE 30	Q8 FD-1 Fluid SAE 60 Q8 FD-1 Fluid SAE 50 Q8 TO-4 Fluid SAE 50 Q8 T 55 85W-140	Q8 TO-4 Fluid SAE 10W Q8 TO-4 Fluid SAE 30
<b>Demag</b>		Q8 Gear Oil XG 80W-90 Q8 T 55 SAE 90 Q8 Goya 220	Q8 Haydn 32/46/68/100 Q8 Heller 32/46/68/100
<b>Euclid</b>		Q8 Gear Oil XG 80W-90 Q8 T 55 SAE 90 Q8 Goya 220/460	Q8 Haydn 32/46/68/100 Q8 Heller 32/46/68/100
<b>Hitachi Construction Machinery</b>	Q8 Trans XGS 75W-90 Q8 Gear Oil XG 80W-90 Q8 T 35 80W-90	Q8 Trans XGS 75W-90 Q8 Axle Oil XG 80W-140 Q8 T 65 75W-90 Q8 T 55 85W-140 Q8 T 45 LS SAE 90 Q8 T 2300 CVT 15W-40 Q8 T 2500 Q8 T 2200 Q8 T 1000 15W-40	Q8 T 2300 CVT 15W-40 Q8 T 2200 Q8 TO-4 Fluid SAE 10W Q8 Hogarth 46 Q8 Haydn 32/46/68 Q8 Heller 32/46/68
<b>JCB</b>		Q8 T 45 LS SAE 90 Q8 Gear Oil XG 80W-90 Q8 T 55 SAE 90 Q8 TO-4 Fluid SAE 30	Q8 Haydn 32/46/68 Q8 Heller 32/46/68 Q8 T 2300 CVT 10W-30 Q8 T 2200
<b>Komatsu</b>		Q8 TO-4 Fluid SAE 30 Q8 TO-4 Fluid SAE 50 Q8 T 2300 CVT 10W-30 Q8 T 2200	Q8 Heller 32/46/68 Q8 Haydn 32/46/68
<b>Liebherr</b>	Q8 Trans XGS 75W-90 Q8 Axle Oil XG 80W-140 Q8 T 65 75W-90 Q8 T 55 85W-140 Q8 T 45 LS SAE 90 Q8 Auto 15	Q8 Trans XGS 75W-90 Q8 Gear Oil XG 80W-90 Q8 T 55 80W-90 Q8 T 55 SAE 90 Q8 T 45 LS SAE 90 Q8 T 2300 CVT 10W-30 Q8 T 2200 Q8 T 5000 10W-40	Q8 T 520 SAE 10W Q8 T 1000 15W-40 Q8 T 5000 10W-40 Q8 Haydn 46/68 Q8 Heller 46/68
<b>Metso</b>	Q8 El Greco 150 Q8 Goya NT 150 Q8 Goya 150	Q8 El Greco 150 Q8 Goya NT 150 Q8 Goya 150	Q8 Heller 32 Q8 Handel 32 Q8 Hindemith LT
<b>Sandvik</b>	Q8 Trans XGS 75W-90 Q8 Gear Oil XG 80W-90 Q8 T 55 SAE 90	Q8 El Greco 150 Q8 Goya NT 150 Q8 Goya 150 Q8 Schumann 150	Q8 Heller 32 Q8 Handel 32 Q8 Hindemith LT Q8 CHF 22S
<b>Telsmith</b>			Q8 Haydn 32 Q8 Holst 32
<b>Terex-Finlay</b>	Q8 Trans XGS 75W-90 Q8 Gear Oil XG 80W-90 Q8 T 65 75W-90 Q8 T 55 80W-90 Q8 T 45 LS SAE 90		Q8 T 520 SAE 10W Q8 Auto 15 ED Q8 Haydn 46/68 Q8 Heller 32/46/68/100
<b>Tesmec</b>	Q8 El Greco 320/460 Q8 Galilei 320		Q8 LHM+ Q8 CHF 22S
<b>Volvo</b>	Q8 T 2500 Q8 T 2200 Q8 T 45 LS SAE 90	Q8 Trans XGS 75W-90 Q8 Gear Oil XG 80W-90 Q8 T 65 75W-90 Q8 T 55 80W-90 Q8 T 55 85W-140 Q8 T 45 LS SAE 90 Q8 T 2500	Q8 Heller 32/46/68

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