

Q8Oils

*Green lubricant and performance fluid
product range for Electric & Hybrid vehicles*



Emissions, Biodegradability, Sustainability, Environmental protection, Renewable, Recycling, Carbon footprint and Carbon handprint.

These are the drivers that define the automotive market today. As an innovative lubricants manufacturer with own R&D facilities and a strong focus on the future, Q8Oils aims to offer products and solutions that are beneficial for customers, society and the business areas in which we operate.

To support this, Q8Oils has developed a wide range of products to fulfil the needs of our customers in the Electric & Hybrid vehicle market and offer complete lubrication for Electric and Hybrid vehicles for E-Motors, Hybrid engines, transmissions, power steering, heat transfer- and braking systems.

Engine oils

For hybrid vehicles, more stringent requirements have been released from both the American Petroleum Institute API and ILSAC with the release of API SP and ILSAC GF-6, as well as European ACEA with the release of ACEA 2021 with the new ACEA C6.

For API and ACEA, there are new engine tests incorporated in the engine oil requirements to protect the compressed engines used in hybrid cars against Low Speed Pre-ignition events, timing chain wear, as well as protection against the formation of moisture and acid.

Lubricants

Q8Oils have developed a range of new dedicated engine oils for hybrid vehicles which offers new strong performance needed to protect the engine.

Q8 Engine lubricants that comply with these requirements are fully synthetic low viscosity fluids that offer superior viscosity retention for class-leading engine wear protection in combination with the highest Low Speed Pre Ignition (LSPI) protection. Furthermore the products give superior fuel economy improvements of up to 4.2% or more.

- Q8 Formula Hybrid GF-6A 0W-20 for GM and Ford
- Q8 Formula Hybrid GF-6B 0W-16 for Toyota and Honda
- Q8 Formula Hybrid C6 0W-20 for Volvo, BMW, GM, Daimler, Chrysler, Jaguar, Land Rover, Fiat and Ford
- Q8 Formula V Blue 0W-20 for Porsche, VW, Audi, Seat and Skoda

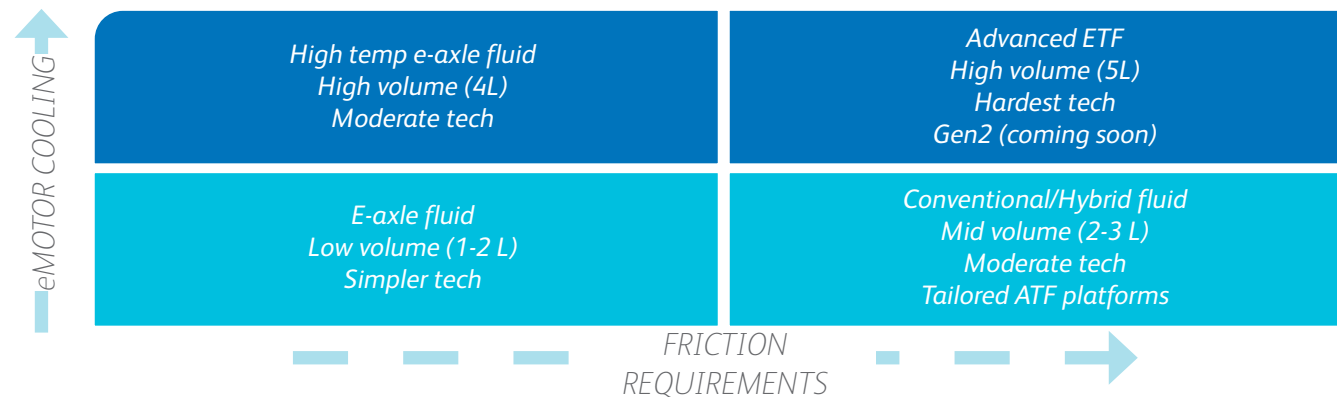


Transmission fluids

The requirements for transmission fluids for modern Hybrid and full Battery Electric Vehicles (BEVs) have to offer efficient e-Motor cooling and reduced friction. Depending on the vehicle architecture, fluid volume can vary for an (E)-Axle fluid, for which only a few litres of lubricant is needed, to a higher volume that requires an advanced Electrified Transmissions Fluid (ETF). Q8Oils cover all the requirements for the different transmission such as modern ATF, DCT, CVT and ETF.

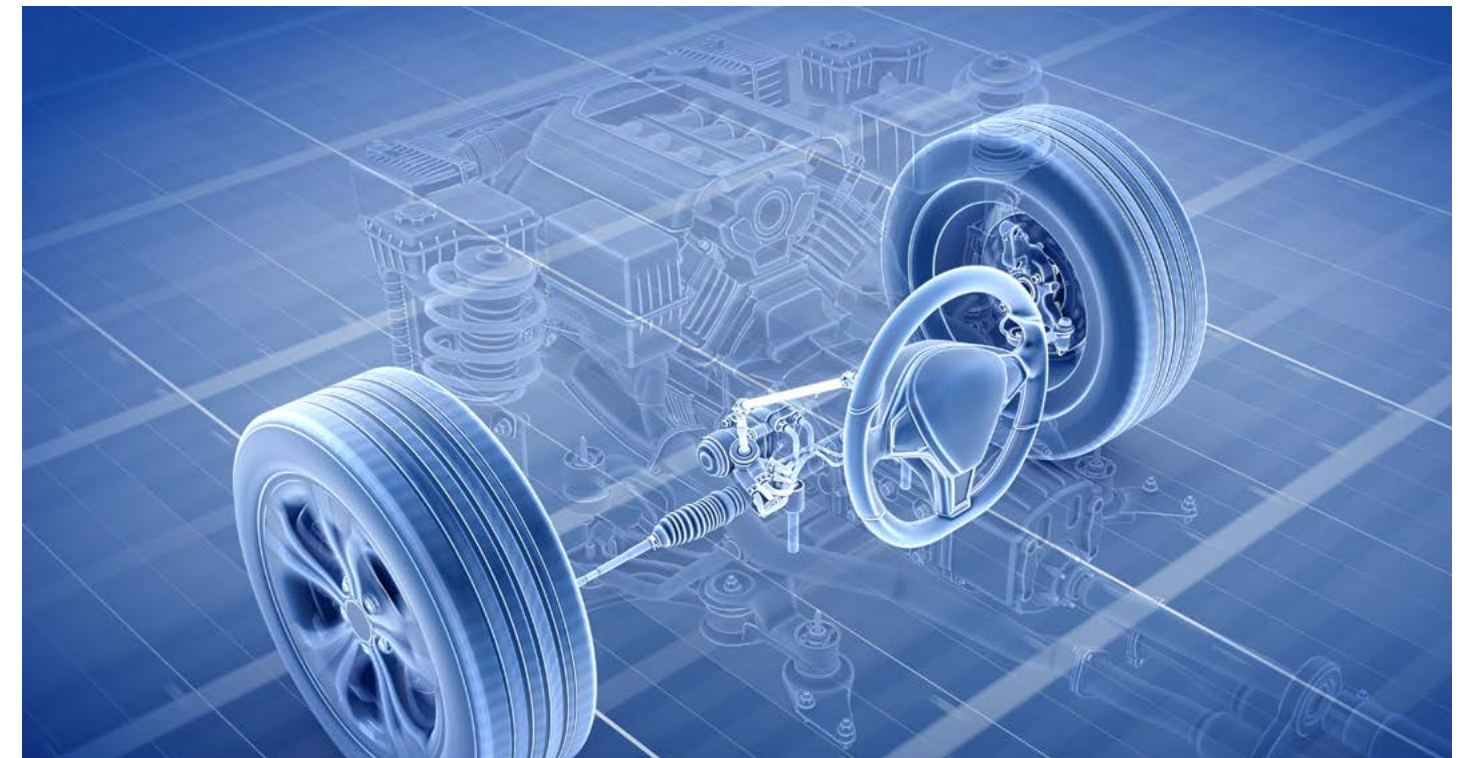
- **Q8 Auto H-EV DCT** Covers all modern DCT requirements
- **Q8 Auto H-EV ATF** Covers latest as well as older ATF requirements for Hybrid and some BEV (Battery Electric Vehicles)
- **Q8 Auto H-EV CVT** Covers all CVT requirements for Hybrid and BEVs
- **Q8 Auto ETF** Specially developed to cover all specific requirements for Battery Electric Vehicles.

eDrive Fluid Types



Electric motors propose specific challenges for the lubricants. The lubricant flows on a variety of components made from various materials such as aluminium, steel, copper and polymers.

Q8 Auto ETF is specially developed for full BEVs and FCEVs where Copper Corrosion is extremely important. Q8 Auto ETF offers outstanding copper protection in both the oil and vapour phase, excellent electrical conductivity, and outstanding results after ageing. Q8 Auto ETF demonstrates superior wear protection across a variety of synchroniser friction and bearing wear tests.



Power steering fluids

Q8Oils offers special power steering fluids for different requirements.

Q8 CHF 22 S is an ultra high performance, low viscosity fluid with an extreme viscosity index over 300. This product is designed to offer ultra high performance at extreme temperatures, such as -40°C up to 130°C.

Q8 PSF 32 S is a universal synthetic power steering fluid with extended drain capability. The synthetic formulation provides excellent oxidation stability in combination with high resistance against shearing, which limits component wear and extends power steering and hydraulic system life and reduces operating cost.

Thermal Management fluid

The new requirements for coolants are reduced electrical conductivity and increased heat transfer. Q8Oils have launched a superior high quality Thermal Management Fluid based on OAT technology for Hybrids and E-vehicles that offers reduced conductivity and increased heat transfer.

Q8 TMF-EV is a premixed fluid ready for use; it transfers heat from the Electric powertrain and battery pack. The long life properties of Q8 TMF-EV is obtained by non-depleting corrosion inhibitors, while it offers excellent electrical conductivity control. Q8 TMF-EV is suitable for all E-vehicle PC, Van, and Heavy Duty applications for which the job of the thermal management fluid is to control the temperatures of the battery pack and the Electrical powertrain.

Brake fluids

Electric and hybrid vehicles require new and enhanced brake fluids.

When the battery pack is fully charged, the brake system cannot take advantage of regenerative braking, resulting in the mechanical brakes doing all the braking without any support from regenerative braking by the E-motor.

This creates a need for a high dry and wet boiling point. In normal conditions, the mechanical brakes will be used less because of the proportion of braking done by the regenerative braking of the E-motor; however, the mechanical brakes must still be in perfect working order when needed. This creates a requirement for enhanced corrosion protection. Due to their being major electrical currents in the vicinity of the brake system, a lower conductivity fluid is advisable.

As with all modern vehicles, the developments in ESP/ABS/ADAS systems are going to put great emphasis on dynamic brake response. This will place increasing demands on brake fluid lubricity and viscosity.

Q8Oils has launched new brake fluids especially to support the BEV requirements. The two brake fluids Q8Oils recommend are both Low Viscosity (LV) brake fluids that offer fast dynamic response and therefore optimised brake performance. These fluids can be used for hydraulic brake and clutch systems in passenger cars, cargo, vans and buses.

Q8 Brake Fluid DOT 4 LV is an exceptional fluid for hydraulic brake and clutch systems. The high boiling point prevents vapour lock in the braking system, and this offers increased vehicle safety. Q8 Brake Fluid DOT 4 LV protects against corrosion and wear, has an extreme lubricity, and reduces friction. It offers fast braking reactions and is miscible with other non-petroleum brake fluids.

Q8 Brake Fluid DOT 5.1 LV is a superior product combining two of the highest specifications yet published in one product. Q8 Brake Fluid DOT 5.1 LV offers the highest wet boiling point to guarantee vehicle safety under the most severe conditions.



This gives it broader applicability than any other brake fluid. It allows Electronic Stability Program (ESP) systems to operate effectively over a wide temperature range while maintaining the high temperature performance of a DOT 5.1 fluid. Suitable for all ESP and other conventional brake systems using Brake Fluids based on Glycol Ether.



Our product range



for engines and driveline

		OEM and Spec. Recommendations		Carbon Handprint
 Engine oils	Q8 Formula Hybrid GF-6A 0W-20	GM/Ford	Hybrid	Fuel Economy Improvement 2.9 %
	Q8 Formula Hybrid GF-6B 0W-16	Toyota/Honda	Hybrid	Fuel Economy Improvement 4.2 %
	Q8 Formula Hybrid C5 0W-20	BMW/GM/MB/Volvo	Hybrid	Fuel Economy Improvement 3.6 %
	Q8 Formula V Blue 0W-20	VW/Audi/Seat/Skoda	Hybrid	Fuel Economy Improvement 3.3 %
 Driveline oils	Q8 Auto H-EV DCT	MB 236.21, 22, 24, 25/Ford M2C 936A/Getrag/Volvo Getrag/Renault Getrag/Fiat Getrag	EV	Super low viscosity Dual Clutch Transmission
	Q8 Auto H-EV ATF	Tesla/GM Dexron VI/ZF Lifeguard 8 & 9/Toyota WS	EV	Super low viscosity up to 9 speed
	Q8 Auto H-EV CVT		EV	Super low viscosity – continuous variable transmission (Pushbelt)
	Q8 Auto ETF (Power Electronics)		EV	Super low viscosity – Full Electric Vehicles BEV

Q8 Formula Hybrid
GF-6A 0W-20

Q8 Formula Hybrid GF-6A 0W-20 is a synthetic superior performance passenger car engine oil for hybrid cars. This lubricant improves fuel economy by up to 2.9% and extends drain intervals.



Benefits

- Improved fuel economy.
- Exceptional engine protection after cold starting.
- Superior oil film strength preventing engine wear.
- Superior oxidation stability
- Best-in-class wear prevention ensuring long engine life.

Specifications & approvals

API	SN
	SN Plus
ILSAC	GF-5
	GF-6 A

Q8 Formula Hybrid
GF-6B 0W-16

Q8 Formula Hybrid GF-6B 0W-16 is designed to provide protection against low-speed pre-ignition (LSPI). It is an exceptional passenger car engine oil, designed to deliver fuel economy savings of up to 4.2% and offer superior engine protection.



Benefits

- Exceptional fuel economy improvement of more than 3%.
- Superior oxidation stability.
- Superior friction reduction.
- Exceptional engine protection after cold starting.
- Best-in-class wear prevention ensuring long engine life.

Specifications & approvals

API	SN
	SN Plus
	SN Plus-RC
	SN-RC
	SP
	SP-RC
ILSAC	GF-6B

Q8 Formula Hybrid
C5 0W-20

Q8 Formula Hybrid C5 0W-20 is a full synthetic passenger car engine oil. It provides exceptional performance and engine durability and complies with the stringent requirements of several major OEM's.



Benefits

- Exceptional fuel economy improvement of more than 3%.
- Exceptional engine protection after cold starting.
- Superior oil film strength preventing engine wear.

Specifications & approvals

ACEA	C5
API	SN
	SN Plus
	SN Plus-RC
	SN-RC
	SP
	SP-RC

Q8 Formula V Blue
0W-20

Q8 Formula V Blue 0W-20 is a full synthetic passenger car engine oil for superior performance. It meets the requirements of VW 508.00/509.00 and Porsche C20.



Benefits

- Improved fuel economy.
- Exceptional engine performance in different driving conditions.
- Exceptional engine protection after cold starting.
- Extended drain interval capability.
- Superior protection against rust and corrosion.

Specifications & approvals

ACEA	C5
Porsche	C20
VAG	VW 508.00
	VW 509.00

Q8 Auto H-EV DCT

Q8 Auto H-EV DCT is a synthetic Dual Clutch Transmission fluid for Hybrid vehicles. This product offers outstanding frictional performance and provides immediate lubrication after cold start, which results in high resistance against wear.



Benefits

- Exceptional wear protection under heavy duty operating conditions.
- Exceptional internal friction reduction.
- Excellent oxidation and thermal stability
- Best material compatibility with all (yellow) metals, elastomers, plastics and other materials
- Superior protection against rust and corrosion.

Specifications & approvals

FIAT	
FORD	M2C 936-A/ Powershift
MB	236.21/236.22/ 236.24/236.25
PSA	
Renault	EDC 6 speed (Getrag)
Volvo	

Q8 Auto H-EV ATF

Q8 Auto H-EV ATF is a Hybrid-EV Automatic Transmission Fluid for E-Automatic Transmissions with extended drain intervals. Q8 Auto H-EV ATF offers improved fuel economy and provides immediate lubrication after cold start.



Benefits

- Extends equipment life
- Optimal friction characteristics, even at low temperatures
- Improved shear stability for stable viscosity during use
- Excellent oxidation and thermal stability
- Full synthetic formulation to provide extreme thermal stability.

Specifications & approvals

GM	Dexron VI
Nissan	
PSA	
Toyota	WS
ZF	LifeguardFluid 8 LifeguardFluid 9

Q8 Auto H-EV CVT

Q8 Auto H-EV CVT is a universal synthetic Hybrid-EV CVT Fluid. Q8 Auto H-EV CVT limits transmission wear to extend transmission life, giving excellent metal-metal friction protection and torque transfer.



Benefits

- Excellent metal-metal friction protection and torque transfer
- Withstands high temperatures due to synthetic technology
- Incorporates well-balanced friction modifier system
- Extends equipment life
- Full synthetic formulation to provide extreme thermal stability.

Specifications & approvals

Ferrari	Suzuki
Lexus	Toyota
MB	VAG
Mitsubishi	
Nissan	Note E-Power DAA-HE12
Renault	
Subaru	

Q8 Auto ETF (Pow-
er Electronics)

Q8 Auto ETF is a superior, fully-synthetic ETF fluid for power electronics. It offers the highest wear protection for both gears and bearings. Q8 Auto ETF offers the highest level of thermal management properties enabling optimised efficiency and range.



Benefits

- Improved frictional performance for smooth gear shift operation with multi-speed EV transmissions resulting in highest protection, also for on-board Power Electronics
- Excellent thermal management properties for optimised battery and transmission efficiency for highest range

Specifications & approvals

BMW	Nissan
BYD	PSA
Fiat	Porsche
Ford	Renault
GM	Tesla
Hyuundai/Kia	VAG
Jaguar Land Rover	Volvo
MB	

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 anti-corrosion properties.

Benefits

- Outstanding vehicle safety due to the very high boiling point/low vapour pressure providing anti-vapour lock characteristics.
- Outstanding lubricity results in 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 5.1 LV

Q8 Brake Fluid DOT 5.1 LV is an outstanding product combining two of the highest specifications. This gives it broader applicability than any other brake fluid. It allows Stability Program (ESP) systems to operate effectively over a wide temperature range while maintaining the high temperature performance of a DOT 5.1 fluid.

Benefits

- Outstanding vehicle safety due to the very high boiling point/low vapour pressure providing anti-vapour lock characteristics.
- Improved fast reactions of ABS systems with electronic controls.
- Excellent quick brake response at high and low temperatures.
- Outstanding compatibility with system rubber seals
- Outstanding stable fluid characteristics.

Specifications & approvals

FMVSS	116 DOT 3
FMVSS	116 DOT 4
FMVSS	116 DOT 5.1
ISO	4925 Class 4
ISO	4925 Class 5.1
ISO	4925 Class 6
ISO	4925 Class 7
SAE	J 1703
SAE	J 1704



Power Steering Fluids

Q8 CHF 22S

Q8 CHF 22S is a synthetic hydraulic fluid with an ultra high viscosity index (>300) that meets the PSA S71 2710 homologation requirements. It provides exceptional performance in cold temperatures.

Benefits

- Excellent low temperature viscosity performance for preserved suspension comfort and performance in cold driving conditions.
- Outstanding water-repellent characteristics.
- Outstanding stable fluid characteristics.
- Excellent protection against rust and corrosion.

Specifications & approvals

DIN	51524-3
ISO	7308
MAN	M 3289
MB	345.0
PSA	S71 2710
VAG	VW TL 521 46
Volvo	STD 1273.36



Q8 PSF 32S

Q8 PSF 32S is a universal synthetic power steering fluid with extended drain capability to reduce operating costs. The synthetic formulation provides excellent oxidation stability in combination with high resistance against shearing, which limits component wear and extends the life of the power steering and hydraulic system.

Benefits

- Exceptional protection against rust and corrosion.
- Stable fluid characteristics.

Specifications & approvals

Bosch	TE-ML 09
GM	Dexron III
MB	236.3



Thermal Management Fluid



Q8 TMF-EV

Q8 TMF-EV is a superior premixed OAT fluid that protects against the freezing, boiling and corrosion of the cooling system. The thermal management fluid forms a cooling liquid that transfers the heat from the engine. The long life of the Q8 TMF-EV is obtained by non-depleting corrosion inhibitors.

Benefits

- Excellent service life due to chemical stability.
- Outstanding high temperature performance.
- All seasons type engine coolant.
- Superb corrosion protection of coolant system metal compositions and solders.
- Increased life time of cooling water pump.

Specifications & approvals

ASTM	D 3306/D 4656/ D 4985/D 6210
JIS	K 2233: 2006
SAE	J 1034



Your #1 automotive lubricants partner

The automotive landscape has shifted dramatically over the last decade. Today, “high-performance” in an engine no longer simply means speed and power; it means efficiency, resilience and cleanliness.

The quality and reliability of our lubricants have been proved by vast numbers of customers over millions of kilometres. Designed to protect vital components, improve fuel consumption, and reduce harmful emissions, they are at the cutting edge of technology and are continuously improved to meet the needs of our customers and original equipment manufacturers.

Choose Q8Oils and you also choose...

Complete Product Range

Q8Oils offers a comprehensive range of high-quality lubricants for passenger cars. The range includes engine, gear, transmission, hydraulic oils, etc., and is approved by all major OEMs and industry benchmarks such as EELQMS.

Marketing support

In order for your business to liaise with the expert in lubricants, Q8Oils offers you a range of tools and services. This range will allow you to show your customers and partners a sign of quality of a known brand.

Supporting services

Experienced sales, technical support, customer service professionals, and a worldwide delivery network means we can consistently deliver the highest levels of customer service and after sales supporting this commitment.

Use our Oil recommendation tool to find out which Q8Oils product is suitable for the optimal performance of your vehicle.

www.q8oils.com/oilrecommendation



Visit our website
www.Q8Oils.com



Kuwait Petroleum (Belgium) N.V.
Petroleumkaai 7
2020 Antwerp - Belgium

T +32 (0)3 247 38 11
E Q8Oilsmarketing@Q8.com

www.Q8Oils.com