Q series
by HEXAGON

Product info

Q® Series by Hexagon
Q® Series is the exclusive product line designed and manufactured for Hexagon Europe under its strict quality and performance requirements.
All Q® Series products provide high performance characteristics and are uniquely & exclusively supported by Hexagon's unmatched after sales service and support in combination with HAP Hexagon Analysis Programme.

Q® Zephir Turbine Oil

Description
Q® Zephir Turbine Oils range is a high-quality turbine stock oil based turbine oil enriched with an additive package that provides protection against oxidation, wear, corrosion and the formation of deposits. It is designed to provide increased draining intervals and long service life. It does not contain DBPC-type oxidation inhibitors or viscosity modifiers. All inhibitors used are of the non-volatile types.



Applications
Q® Zephir Turbine Oil by Hexagon is intended for use in the lubrication and control system of steam and gas turbines. It can be used in systems with or without a gearbox. It is suitable for use in water, steam and gas turbines where an oil with extended service life is desired that will protect against corrosion and where a product with increased resistance to ageing and oxidation is required.

Advantages
- Excellent protection against oxidation..
- Improved anti-corrosion and anti-wear properties
- Excellent performance under a wide operational temperature range
- High viscosity index.
- Increased demulsibility to provide maximum performance.
- Increased resistance to the formation of deposits.

Performance Level

- DIN 51515 Part 1 L-TD/2 L-TG
- GEK28143A
- GEK 46506E
- US STEEL 126
- ASTM D4304 Type II (EP)
- W3.1-0250-6000
- ALSTOM POWER HTGD 90117/NBA P5001
- BS 489-1999
- ISO 6743-5 L-TGA/L-TSA
- ISO 8068 AR

Typical Data

Q® Zephir Turbine Oil by Hexagon	Method	ISO 46
		Q® Zephir Turbine Oil
Density at 15°C, g/ml	ASTM D1298	0.873
Kinematic Viscosity at 40°C, cSt	ASTM D445	46
Kinematic Viscosity at 100°C, cSt		6.6
Viscosity Index	ASTM D2270	108
Flash Point (COC), °C	ASTM D92	212
Pour Point, °C	ASTM D97	- 9
TAN mg KOH/gr, max	ASTM D664	0.30
Oxidation Stability RPVOT	ASTM D2272	650
Foaming Characteristics Seq. I, ml Seq. II, ml Seq. III, ml	ASTM D892	 150/0 50/0 150/0
Water Separability (30 min), ml	ASTM D1401	40 - 40 - 0
tion Stability TOS Test Increase in AN after 20(	ASTM D943	0.2
Load carrying capacity FZG normal test A/8.3/90	ASTM D5182	9
Copper Cor. at 100o C and 3 hrs	ASTM D130	1b

Q® Zephir Turbine Oil

Available Packages

Pail[20lt],Drum[208lt]
(For more available packages, please contact our sales department)

Health and Safety

Avoid prolonged or repeated contact of used lubricants with skin. In case of skin contact wash well. Used lubricants should be collected in special containers and disposed of in accordance to local legislation. For additional information please consult with the Material Safety Data Sheet (SDS).

About Hexagon Europe

Hexagon Europe was founded in Greece in 1989. It is the exclusive distributor and marketer of the following brands in various territories and countries:

- **Lubrication Engineers® (USA),** high-performance lubricants designed for heavy industries, the shipping industry, off-road and on-road vehicles and passenger cars,
- **Viper® WRL,** Wire Rope Lubricator (a unique system to lubricate and protect wire ropes of any size,
- **Spillaway® Projects**, bioremediation products that bioremediate oil spills of any kind from soil or the sea,
- **Delta-Xero®,** an innovative filtration systems manufacturer of most fluids and fuels, filters down to 1μm.
- **MAK Chem®,** with a complete line of chemical cleaning products,
- **Elix®** waterless hand-cleaning towels and other cleaning substances,
- **Fluitec® (USA),** a producer of varnish removal fluids,

- Hexagon Europe has also designed and manufactured **Q® Series by Hexagon®**, a unique high-quality line of lubricants, including EAL (Environmentally Acceptable Lubricants) and Stern Tube oils.
- **Q® Series by Hexagon®** are available globally.

Hexagon Europe is a reliable high-product and services supplier to most heavy industries, construction, food and shipping companies in its territories, with seven major warehouses strategically located globally.

Hexagon Europe offers the most advanced and sophisticated oil analysis programme, **HAP™ (Hexagon Analysis Programme™).** It is in partnership with Polaris®, offering unique oil analysis services and exclusively designed cloud software available to all its customers.

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