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® Series Transformer Oil L



Description

Q® Series Transformer Oil L by Hexagon is a low viscosity naphthenic insulating oil from severely hydro-treated base oils with excellent oxidation and thermal stability properties. It is characterised by its excellent heat dissipation and oxidation resistance it provides as well as its high dielectric strength. It covers all requirements of IEC 60296 version 4.0 as an uninhibited insulating oil.

Applications

Q® Series Transformer Oil L by Hexagon is designed and developed specifically for use in electric transformers and switch-gears, and electrical applications that require a mineral oil of the highest quality to use as an insulating and cooling medium in order to ensure the necessary thermal and oxidation stability.

Advantages

- Very low pour point..
- High dielectric strength.
- High oxidation resistance..
- Increase thermal dissipation properties.
- Free from acids and corrosive sulfur.
- Excellent gas tendency.
- Effective protection against oxidation.
- Long service life reduces changeover costs.

Performance Level

- IEC 60296 ED 4

Typical Characteristics

	METHOD	Min	Max	Typical
Product Name				Q® Series Transformer Oil L
Density at 20° C, g/ml	ISO 12185		0.895	0.868
Colour, max	ASTM D1500		2	0.5
Viscosity at 20° C, cSt	ISO 3104		25	15.5
Viscosity at 40° C, cSt	ISO 3104		12.0	9.8
Viscosity at -30° C, cSt	ISO 3104		1800	1100
Flash point, [COC],° C	ISO 2719	135		150
Pour Point, oC	ISO 3016		-40	-51
Acidity, mg KOH/gr	IEC 62021		0.01	<0.01
Aniline Point,° C	ASTM D611			83
Dielectric strength, KV	IEC 60156			70
Power Factor at 90° C	IEC 60247			<0.001
Aromatic Content	IEC 60590			9
Water Content mg/Kg	IEC 60814		30	18
Corrosive Sulphur	ISO 5662			non-corrosive
Inhibitors	IEC 60296			Not contained
PCB	IEC 61619			non-detectable
DDF at 90o C	IEC 60247		5	<0.001
Interfacial tension, mM/m	EN 14210	40		45
Breakdown Voltage, kV	IEC 60156	30		60
Oxidation Stability at 120o C / 164 hrs Total Acidity, mg KOH/gr Sludge, wt%	IEC 61125C		1.2 0.8	0.50 0.15

Q® Series Transformer Oil L

Available Packages

Pail (20lt), Drum (185kg, 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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