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® Astro SHC 220-460 Gear Oils

Description
Q® Astro SHC is a 100% synthetic, premium-quality, heavy-duty industrial gear lubricant, formulated from specially selected poly-alpha-olefins and additives to provide exceptional performance and protection. It is specially suitable for gear and bearing applications operating at high temperatures and heavy and/ or shock loads.



Applications
Q® Astro SHC is recommended to be used in industrial closed gear sets working under heavy shock loads and low temperatures, conditions found in paper mills, cement manufacturing plants and steel manufacturing. It is also suitable for enclosed gear drives with both circulating and splash systems working under all severe conditions.

Advantages
- Excellent load-carrying capacity.
- Rust and corrosion protection.
- Excellent chemical stability and anti-wear properties.
- Prolonged service life in comparison with mineral oils.
- Outstanding antifoam and demulsifying characteristics
- Excellent oxidation and thermal stability at high temperatures, which reduces deposit formation
- Excellent shear stability due to their high viscosity index
- Fully compatible with sealing materials used in equipment normally lubricated with conventional mineral oils.

Performance Level
- DIN 51517 PART III CLP
- AGMA 250.04
- DAVID BROWN ET 33/80
- US STEEL 224

Typical Characteristics

Q® Astro SHC by Hexagon	METHOD	320	460	1000
Product Name		Q® Astro SHC		
Density at 20 °C, g/ml	ASTM D1298	0.844	0.847	0.844
Kinematic Viscosity at 40° C, cSt	ASTM D445	320	461	1000
Viscosity Index	ASTM D2270	156	161	150
Flash Point, (COC), °C	ASTM D92	240	255	250
Pour Point, °C	ASTM D97	-40	-37	-30
Four Ball Test LWI, min WP, kgf min	ASTM D2596	 250 45	 250 45	 250 45

Q® Astro SHC

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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