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 PAO Food Grade Gear Oil ISO 460

Description
Q® Astro PAO Food Grade Gear Oil ISO 460 is a fully synthetic premium quality, heavy-duty industrial lubricant, formulated from specially selected poly-alpha-olefins and additives to provide exceptional performance and protection. It is especially suitable for light gear and bearing applications operating at high temperatures and heavy and/ or shock loads.



Applications
Q® Astro PAO Food Grade Gear Oil ISO 460 is recommended to be used in industrial circulation systems working under severe loads and low temperatures, conditions found in paper mills, cement manufacturing plants and in steel manufacturing. It is strongly recommended in applications where a food-grade lubricant is required in case of food contact during processing, as well as pharmaceutical processing (not as an ingredient). 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.
- Fully compatible with sealing materials used in equipment normally lubricated with conventional mineral oils.
- Suitable for various types of applications.

Performance Level
- DIN 51506 VCL
- DIN 51517 part I

Typical Characteristics

	METHOD	460
Product Name	**Q® Astro PAO Food Grade Gear Oil**	
Density at 20 °C, g/ml	ASTM D1298	0.852
Viscosity at 40° C, cSt	ASTM D445	460
Viscosity Index	ASTM D2270	140
FZG Gear Test	DIN 51354	12
Conradson Carbon, wt.%	ASTM D189	< 0.5
Flash Point, (COC), °C	ASTM D92	258
Pour Point, °C	ASTM D97	-39

Q® Astro PAO Food Grade Gear Oil ISO 460

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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