

HI-SYNTH HC INDUSTRIAL GEAR TECH

MOLY BASED HEAVY DUTY LITHIUM GREASE

DESCRIPTION

SYNTH HD GEAR TECH Oils are premium high performance fully synthetic gear oils specially developed for wind turbines and various types of enclosed industrial gears operating under normal to extremely heavy duty conditions. Formulated from water soluble PAO/Ester based (PolyAlphaOlefin) with high viscosity index synthetic base oil, extra anti-foam (silicon free defoamer) with ester additive and excellent load carrying capacity, extreme pressure, anti-oxidant, anti-rust and anti-foam additives. These Oils provide clean-gear performance, excellent extreme pressure and micro-pitting protection, anti-wear, superior performance across wide temperature range, and provides energy saving opportunities with reduced bulk oil temperatures, smooth operation of the gear drives and up to 2x long lasting performance.

APPLICATIONS

- Recommended for industrial & wind turbines gearboxes of all sizes and capacities, especially for heavy loads and high shock loaded gear units at extreme high & low temperature environments.
- It is especially recommended for wind turbines & industrial heavy loaded industrial gearboxes applications such as main gear motors for pitch and yaw drives that may be subject to Auxiliary gearboxes, micro pitting, gearbox rolling element bearings, especially heavily loaded gearboxes with surface-hardened tooth metallurgies at high and low speed.

ADVANTAGES & BENEFITS

- Excellent lubricating power & reduce the coefficient of friction under thin film lubricating conditions.
- Great thermal and oxidation stability, excellent cleanliness for sludge free gear drives at high temperature.
- Highly resistance to the formation of foam and water emulsions.
- Limits power loss from friction and makes gears function smoothly, uniformly and silently with low noise.
- Increase the useful life of the gears and bearings, excellent protection against wear by micro pitting.
- High quality synthetic PAO/Ester based (PolyAlphaOlefin) base oil with high viscosity index ensures good lubricant film thickness over a broad temperature range. Due to its synthetic nature, it allows extend long drain interval more than 7 years and improve the reliability of your gearboxes.

Typical Properties

Properties	100	150	220	320	460	680
ISO Grade	100	150	220	320	460	680
Viscosity, Kinematic @40°C	100	150	220	320	460	680
Viscosity, Kinematic @100°C	14.75	22.2	30.4	40.6	54.1	75.5
Viscosity Index	152	152	154	168	180	182
Pour point	-48	-46	-45	-42	-39	-39
Flash point	240	240	240	250	250	250
Density @15°C	0.861	0.877	0.881	0.883	0.889	0.891
Copper Strip Corrosion	1B					
Rust Test	Pass					
Four Ball Weld Load(Kgs)	>250					
Foam Tendency, SEQ-1	10/0					

The values above are typical values. They do not constitute any contractual commitment.
Sales specifications are available on request. The present technical data sheet replaces all the previous edition.

Health and Safety

This product is not likely to present any significant health or safety hazards when used correctly in the right application. Safety Data Sheet (SDS) is available on request through our website www.slkkruizer.com

Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Storage

Storage We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet.

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SLK ENTERPRISES

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