

SYNCHRO GEAR TECH E.P. HD OILS

INDUSTRIAL GEAR OILS (68, 100, 150, 220, 320, 460, 680)

DESCRIPTION & APPLICATIONS

Synchro Gear Tech E.P. HD Oils are extra high-performance gear oils having outstanding extreme pressure characteristics and load-carrying properties, intended for use in all types of enclosed gear drives with circulation or splash lubrication systems. These oils provides extra protection for gears, bearings and seals. These Oils are formulated to protect gear teeth from wear at its earliest stages to prevent microscopic wear, called micro pitting. Synchro Gear Tech E.P. HD Oils are recommended for industrial spur, helical and bevel enclosed gears with circulation or splash lubrication, operating at bulk oil temperatures up to 120°C. These Oils are particularly suitable for gear sets working under heavy or shock loads. Industrial gearing for conveyers, agitators, dryers, extruders, fans, mixers, presses, pulpers, pumps (Including oil well pumps), screens, extruders and other heavy-duty applications.

PERFORMANCE BENIFITS

- Wear protection from micro pitting.
- Improved bearing wear protection.
- Excellent resistance to oil oxidation and thermal degradation.
- High resistance to sludge and deposit formation.
- Prevents rust, corrosion of steel, corrosion of copper and soft metal alloys.
- Resistance to foaming and emulsion formation.

PERFORMANCE STANDARDS MEETS

- DIN 51517, Part 3
- AGMA/ANSI 9005-E02
- David Brown types M, A and E
- U. S. Steel 224
- ISO 12925-1 CKC/CKD

Typical Properties

Properties	Test Method	EP-68	EP-100	EP-150	EP-220	EP-320	EP-460	EP-680
Kinematic Viscosity @40°C, cSt.	ASTM D445	68	100	150	220	320	460	680
Viscosity Index, Min.	ASTM D2270	95	95	97	97	97	100	105
Flash Point, (COC), °C.	ASTM D92	210	210	220	240	240	240	260
Pour Point, °C.	ASTM D97	-6			-3			
Timken OK Load	ASTM D2782	65	65	70	85	90		
Rust Protection, Sea Water	ASTM D6138	Pass						
Copper Strip Corrosion @ 100°C for 3hrs	ASTM D130	1B						
Foaming Characteristics/ Stability	ASTM D892	Nil						
FZG A/8.3/90, Load Stage	DIN ISO14635-1	>12						
FE-S Bearing Test	DIN 51819-3	3 mg						

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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