

## HYD HLP 46 AL ZF

### ZINC FREE AL TECHNOLOGY HYDRAULIC OIL

#### DESCRIPTION

Hyd HLP 46 AL ZF is a high performance zinc-free ashless anti-wear hydraulic oil developed to provide excellent performance in hydraulic systems, power transmission and general machine lubrication operating under moderate to severe conditions.

#### APPLICATIONS

- Critical hydraulic systems subjected to most severe outdoor operating conditions such as high accuracy numerically controlled machine tools and those employing close clearance servo valves.
- Versatile Application in all Industrial, Automotive & Construction Hydraulic Equipment's systems such as Piling Rigs, Boomers, TBN (Tunnel Boring Machine), Excavators, Cranes and Hydrostatic drives.
- Applications where cross-contamination of hydraulic fluids and coolants can occur.

#### ADVANTAGES & BENEFITS

- Excellent thermo-oxidative stability.
- Exceptional anti-wear property results in longer pump and component life.
- Superior demulsibility helps in faster separation of water from oil and resists formation of emulsions.
- Advanced ashless additive technology reduces environmental impact in case of accidental spillage
- Special rust & corrosion inhibitors protect multi-metallurgy components even in presence of moisture
- Rapid air release property minimizes chances of pump cavitations leading to trouble free operations
- Compatible with multi-metals and sealing materials commonly used in hydraulic systems.
- Designed for older hydraulic pumps containing silver or silver-plated parts.

## Typical Properties

Properties	Method	100
ISO Grade	-	46
Density @15°C	ASTM D4052	872
Viscosity of base oil @40°C	ASTM D7042	47
Viscosity of base oil @100°C	ASTM D7042	7.1
Flash point(open cup method)	ASTM D92	252
Pour point	ASTM D7436	-21
Viscosity Index	ASTM D2270	104
Rust Test	ASTM D665B	Pass

*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.*

*We provide ZINC FREE Hydraulic Oil in HLP & HVI Grades for Extra Extended Drain Interval & Upgrade to AL Technology with Special Base Oil.*

Available Pack sizes : 20L, 210L

### 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](http://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.

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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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