

ENEOS HYDRAULIC HLP SERIES

High Performance Hydraulic System Fluids

ENEOS HYDRAULIC HLP Series are high quality hydraulic system fluids; that are formulated with well-refined paraffinic base oils and modern additives that provide oxidation stability and corrosion protection properties. They provide high performance and good lubricity in the gear pumps and other hydraulic system equipment through use of anti-wear and thermal stability additives. Specially developed for application in several hydraulic systems and bearing lubrication. Reduce pumping wear to a minimum and ensure extra-long equipment life. These oils are suitable for the lubrication of vacuum pumps, textile machines and as circulating oils, where they will provide excellent lubrication for bearings and gears.

FEATURES & BENEFITS

- Good protection of parts of hydraulic systems due to high anti-wearing properties.
- High thermal stability.
- High filterability.
- Good air and water releasing properties.
- Very low foaming tendency.
- Good corrosion protection in the system.
- High oxidation stability.

APPLICATIONS

- Zinc based anti-wearing additives used in the formulation of ENEOS HYDRAULIC HLP SERIES, are suitable for most of hydraulic pumps.
- ENEOS HYDRAULIC HLP SERIES hydraulic system fluids are compatible with all kind of impermeability components and paints that are normally not affected by mineral based oils.

PERFORMANCE LEVELS

- DIN 51524/2 (HLP)
- Vickers M-2952-S (35VQ 25) & I-286-S
- AFNOR NF E 48-603(HM)
- Denison HF-O, HF-1, HF-2
- Bosch Rexroth RE 90220
- CINCINNATI Machine P-68, P-69, P-70
- ASTM D 6158 Type HM
- GM LS2
- ISO 11158

PACK SIZES

15Kg Tin, 20L Pail, 200L Drum and 1000L IBC

ADDITIONAL INFORMATION

Storage

Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.

Packages should not be exposed to direct sunlight and avoid rapid climatic changes.

Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, ENEOS HYDRAULIC HLP hydraulic system fluids are not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Material Safety Data Sheet" (MSDS). MSDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.



TYPICAL PROPERTIES

SAE viscosity grade	32	46	68	100
Density (20°C), g/cm ³	0.8760	0.8827	0.8780	0.8792
Flash point (COC), °C	215	228	239	242
Kinematic viscosity				
(40°C), mm ² /s	32	46	68	100
(100°C), mm ² /s	5.43	6.68	8.575	12.5
Viscosity index	105	102	100	98
Pour point, °C	-27.0	-24.0	-24.0	-24.0
TAN, mgKOH/g	0.6	0.6	0.6	0.6

Note: The typical properties may be changed without notice. (August 2019)

THE RECOMMENDATIONS OR SUGGESTIONS MADE IN THIS SHEET ARE MADE WITHOUT GUARANTEE OR REPRESENTATION AS TO RESULTS. THE CONTENT OF THIS SHEET IS CORRECT TO THE BEST OF OUR KNOWLEDGE. WE ADVISE THE READER TO CAREFULLY EVALUATE THE PRODUCT CHOICE FOR CRITICAL APPLICATIONS TOGETHER WITH THE SUPPLIER. WE DO NOT ACCEPT RESPONSIBILITY FOR DAMAGE AS A CONSEQUENCE OF INCOMPLETENESS OR, NEGLIGENCE AND INACCURACIES IN THIS INFORMATION SHEET. ALL TERMS OF SALE OF THE SUPPLIER CAN BE APPLIED HERE.