

Product benefits

- very good wear protection
- good thermal and oxidation stability
- low deposit formation
- low foaming, rapid air separation
- good filterability
- good overall protection

Applications

Record Hydrolub HLP 46 is a general purpose hydraulic oil used in hydraulic equipment operating under severe conditions where the system temperature is moderately high.

Record Hydrolub HLP 46 hydraulic oil is suitable for all kinds of hydraulic pumps. Particularly beneficial for hydrostatic systems of older design where leakage is a problem and good overall protection is required.

Record Hydrolub HLP 46 can be applied in equipment calling for a mineral oil with anti-corrosion, anti-oxidation and/or anti-wear properties.

Specifications and approvals

ISO 11158 HM
ISO-L-HM
DIN 51524-2 (HLP)
Cincinnati Lamb P-70
Bosch-Rexroth RE 90220
AFNOR NF-E-48603 (HM)

Product description

Record Hydrolub HLP 46 is a general antiwear hydraulic oil formulated to provide high performance in a wide range of industrial and mobile hydraulic systems.

Record Hydrolub HLP 46 is manufactured from highly refined mineral base oils with a well-balanced additive system containing antioxidant, antiwear, corrosion and foam inhibitor agents.

Record Hydrolub HLP 46 provides good thermal and hydrolytic stability which result in less sludge formation and deposits giving long-term service stability.

Record Hydrolub HLP 46 is designed to protect piston, vane and gear pumps by offering excellent antiwear properties. Careful selection of additives provides rapid air release and low foaming. The product offers outstanding filterability which is essential in modern hydraulic systems.

Record Hydrolub HLP 46 is compatible with steel and yellow metals and seals generally applied in hydraulic systems.

Record Hydrolub HLP 46 hydraulic oil

Typical properties

Properties	Typical values
Density at 15°C [g/cm ³]	0,875
Kinematic viscosity at 40°C [mm ² /s]	44,5
Kinematic viscosity at 100 °C [mm ² /s]	6,5
Viscosity index	94
Pour point [°C]	-27
Flash point (Cleveland) [°C]	225

The characteristics in table are typical values of the product and do not constitute a specification.

Storage and handling instructions

Store in the original container in dry, properly ventilated area. Keep away from direct flame and other sources of ignition. Protect from direct sunlight.

During transport, storage and use of the product follow the work safety instructions and environmental regulations relating to mineral oil products.

For further details please read the Material Safety Data Sheet of the product.

Shelf life in the original container under the recommended storage conditions: 48 months

Recommended storage temperature: max. 40°C