

# PRODUCT DATA SHEET



## GRENVO HYDRAULIC HLP 32

Made using highly refined mineral Group II base oils and extensively field-tested and used additives, Grenvo Hydraulic HLP 46 is a modern long-drain hydraulic oil catering to the needs of moderate to severe duty requirements.

### Approvals & Recommendations

AIST 126; 127	ANSI / AGMA 9005-EO2-RO
ASTM D6158 (HM)	Bosch Rexroth RDE 90235
Bosch Rexroth RDE 90245	DIN 51524-2 (HM)
Eaton E-FDGN-TB002-E	Eaton-M-2950S
Fives Cincinnati P69 (HM)	GB 11118.1-2011 (L-HL, L-HM)
GM LS-2	ISO 11158 (HM)
ISO 20763 Conestoga vane pump test	JCMAS P041 HK Hydraulic Specn
Parker HF-0, HF-1, HF-2 (HM)	SAE MS 1004 (HM)
SEB 181222	Vickers 1-286-S3 (Industrial)

### Features/Benefits

- Very long equipment life due to low wear.
- High oil drain & improved efficiency leads to low cost of operation.
- High quality of base oil provides great filterability in both dry & wet conditions.
- Protection from rust, corrosion, oxidation.
- Remarkable performance in moist conditions.
- Prevents deposits and varnish.
- Over 2,000 hrs of TOST (ASTM D943) life.
- Reduced disposal costs.
- High colour stability.



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## Application

All types of hydraulic applications requiring high Anti-Wear property; marine and construction equipment, mining, oil exploration, vane and gear pumps operating under high pressures. Hydraulic power-packs, paper machine oils, steel manufacturing. The hydraulic oil is used in applications like servo-valves and pumps with tight tolerances.

## Typical Specifications

KV, cSt, 40 Deg C	ASTM D445	31.65
Viscosity Index	ASTM D2270	103
Pour Point, Deg C	ASTM D97	(-) 32
Copper Corrosion	ASTM D130	1A
KV, cSt, 100 Deg C	ASTM D445	5.34
Flash Point, Deg C	ASTM D92	230
Density @ 15 Deg C	ASTM D4052	0.87
Cleanliness	ISO 4406	17/15/12



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(An ISO 9001:2015, ISO14001:2015 & ISO 45001:2018 Certified Company)