

HYDROL L-HM/HLP 100

Quality class: Quality class according to ISO 11158 – HM
Viscosity grad: ISO VG: 100

GENERAL FEATURES:

Hydrol® L-HM/HLP hydraulic oils for hydrostatic systems are manufactured basing on high quality mineral base oils and a set of enriching additives improving antiwear, anticorrosive and antioxidative properties.

It provides:

- extended lifetime,
- reduces wear of hydraulic pump elements,

APPLICATION:

Hydrol® L-HM/HLP Hydraulic oils are intended mainly for heavy-duty power transferring systems and for hydraulic driving and control systems i.e. hydraulic gears, control mechanisms and other alike devices operating in hard conditions or in increased temperature or humidity.

STANDARDS, APPROVALS. SPECIFICATION:

Bosch Rexroth RE 90220-01 - Hydrol® L-HM/HLP 32, 46, 68
MAG/ Cincinnati Machine P-68 - Hydrol® L-HM/HLP 32
MAG/ Cincinnati Machine P-70- Hydrol® L-HM/HLP 46
MAG/ Cincinnati Machine P-69 - Hydrol® L-HM/HLP 68
Denison Hydraulics HF2/HF1/HF0- Hydrol® L-HM/HLP 32, 46, 68
ZETOR (Proxima, Proxima Plus, Proxima Power, Forterra) - Hydrol® L-HM/HLP 32, 46
FAMUR - Hydrol® L-HM/HLP 68
Bumech - Hydrol® L-HM/HLP 46, 68

DIN 51524 part 2,

Oils with viscosity grade of VG 32, 46, 68, 100, 150 have been approved for application in mining and are granted a certificate issued by the Central Mining Institute allowing to mark the product with the security sign.



Physical and chemical properties:

PARAMETERS	UNIT	TYPICAL VALUES
Appearance at 20 °C	-	clear, homogeneous
Kinematic viscosity at 40°C	mm ² /s	95.8
Viscosity index	-	93
Pour point	°C	-25
Flash point (open cup)	°C	245
Resistance to foaming · susceptibility to foaming: foam volume after 5 min. of blowing with air at 25°C, · foam durability: foam volume after 10 min. standing still at 25°C standing still at 25°C	ml	20 0
Corrosion action on copper plates (100°C/3h)	degree of corrosion	1a
Deemulsibility, time to oil/water emulsion separation: - 40 - 43 ml of oil - 37 - 40 ml of water - 0 - 3 ml of emulsion at	min.	35
	°C	82
Ability to release air at 50°C	min.	10

NOTE:
Physicochemical parameters listed in the table are typical values. Real values are stated in quality control certificates attached to each product lot.

