

HYDROL PREMIUM L-HM 100

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

GENERAL FEATURES:

Hydrol® Premium LHM hydraulic oils are made of refined mineral oils and zinc-free pack of enriching additives.

Features:

High performance characteristics:

- high thermal and hydrolytic stability stability;
- high resistance to oxidation;
- high load bearing capacity (tested on a FZG stand, non-destructive load level > 12) and excellent anti-wear properties;
- very good filterability;
- very good foaming resistance;
- compatibility with sealing material.

Hydrol® Premium LHM hydraulic oils are mixable with other mineral and hydraulic zinc-free oils.

APPLICATION:

High durability of Hydrol® Premium LHM allows their application in heavy duty power transmission systems as well as hydraulic drive and control systems operating in extremely high pressures and wide range of temperatures. New, unique formula used in the manufacturing process guarantees their extended lifetime as compared to standard mineral hydraulic oils.

STANDARDS, APPROVALS. SPECIFICATION:

DIN 51524 part 2



Physical and chemical properties:

PARAMETERS	UNIT	TYPICAL VALUES
Cinematic viscosity at 40°C	mm ² /s	97.5
Viscosity index	-	96
Flow temperature	°C	-21
Flash point	°C	230
Foaming resistance: · tendency to foaming, · foam persistence after 5 min. purging with air at 25 ^o C, foam volume after 10 min. holding at 25 ^o C	ml	20 0
Corrosive action on a cooper plate, 3 h/1200 C, corrosion degree	benchmarks	1 a
Deemulsifying properties - water-emulsion partition time to obtain: 40 - 43 ml oil 37 - 40 ml water 0 - 3 ml emulsion at	min.	20
	°C	82
Oil ability to liberate air at a temperature 500 C	min.	-

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

