

## HYDROL PREMIUM L-HM 46

**Quality class:** Quality class according to ISO 11158 – HM  
**Viscosity grad:** ISO VG: 46

### GENERAL FEATURES:

Hydrol® Premium L-HM hydraulic oils are manufactured basing on refined mineral oils and zinc free set of enriching additives.

Features:

High level operating properties:

- high thermal and hydrolytic stability,
- high resistance to oxidation,
- high ability to transfer loads (FZG test, breaking load >12) and very good antiwear properties,
- very good ability to be filtered,
- very good resistance to foaming,
- compatibility with sealants.

Hydrol® Premium L-HM can be mixed with other zinc free hydraulic mineral oils.

### APPLICATION:

High durability of Hydrol® Premium L-HM enables their application in highly loaded systems of power transmission as well as hydraulic drive and control operating in extremely high pressures and temperatures. New, unique formula used in the manufacturing process guarantees their extended lifetime compared to standard mineral hydraulic oils.

### STANDARDS, APPROVALS. SPECIFICATION:

Eaton (Vickers) M-2950-S

Eaton (Vickers) I-286-S

Eaton (Vickers) – Brochure 03-401-2010 - 35VQ25A Parker Denison HF-0, HF-1, HF-2

Bosch Rexroth RE 90220-01

MAG/ Cincinnati Machine P-70



## Physical and chemical properties:

PARAMETERS	UNIT	TYPICAL VALUES
Kinematic viscosity at 40°C	mm <sup>2</sup> /s	44.5
Viscosity index	-	102
Flow temperature	°C	-27
Ignition temperature	°C	212
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	25 0
Corrosiveness to copper 3 h/120°C, corrosion rate	reference sample	1 a
Deemulsifying properties – emulsion and water separation time to achieve: - 40 - 43 ml of oil - 37 - 40 ml of water - 0 - 3 ml of emulsion at 54°C	min.	10
Ability to release air at 50°C	min.	5

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

