

HYDROL L-HV 46

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

GENERAL FEATURES:

Hydrol® L-HV hydraulic oils are manufactured basing on high quality base oils and a set of enriching additives. They are featured by high level of antiwear properties and additionally improved temperature depending viscosity grades compared to L-HM hydraulic oils.
It provides:

- extended life time,
- reduction of wear of hydraulic pumps elements,
- work at wide range of temperatures with perfect viscosity preserved (high viscosity grade: WL > 140).

APPLICATION:

Hydrol® L-HV hydraulic oils are intended for high loaded powering systems of high pressure piston pumps with constant and variable delivery and for sliding-vane pumps, where high antiwear oil properties are required and for precise systems of hydraulic control and hydraulic systems which require insignificant viscosity changes with temperature changes.

STANDARDS, APPROVALS. SPECIFICATION:

DIN 51524 part 3
Hydrol L-HV 32, 46, 100 - Eaton Vickers I-286 S
Hydrol L-HV 15, 32 - TATRA
Hydrol L-HV 46: Admission Lena Wilków - Vehicle RDPN-1800 type, version P
Hydrol L-HV 46: MISTA Sp. z o.o. - RD130, RD165C, RD165H, RD200, RD200H



Physical and chemical properties:

PARAMETERS	UNIT	TYPICAL VALUES
Kinematic viscosity at 40°C	mm ² /s	47.2
Viscosity index	-	145
Flow temperature	°C	-34
Ignition temperature	°C	210
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
Corrosiveness to copper 3 h/100°C, corrosion rate	reference sample	1a
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	min.	20
	°C	54
Ability to release air at 50°C	min.	6
Ability to transfer loads with the FZG, breaking load, minimum	-	11

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

