

## HYDROL L-HV 100

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

### 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 <sup>2</sup> /s	98.9
Viscosity index	-	142
Flow temperature	°C	-30
Ignition temperature	°C	232
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.	30
	°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.

