

## HYDROL L-HL 46

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

### GENERAL FEATURES:

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

### APPLICATION:

Hydrol® L-HL hydraulic oils are intended to be applied in low and medium loaded power transferring systems and in hydraulic driving and control systems of hydrostatic drive devices working with moderate temperatures.

### STANDARDS, APPROVALS. SPECIFICATION:

DIN 51524 part 1,  
NO-91-A231: 1998 – Hydrol® L-HL of the following viscosity grades: 15,32,46,  
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.

PARAMETERS	UNIT	TYPICAL VALUES
Kinematic viscosity at 40°C	mm <sup>2</sup> /s	44.3
Viscosity index	-	101
Flow temperature	°C	-30
Ignition temperature	°C	224
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	30 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	54

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

