



ABOUT OUR HYDRAULIC OILS

Our hydraulic oils are intended for the lubrication of surfaces and units in hydraulic systems under light and moderate loading. Available in a wide range of viscosity grades to meet your specific needs, ensuring high performance and durability under extreme pressure.

KEY BENEFITS

- Wear and corrosion protection
- Breakdown resistance and oxidation control
- Diminished viscosity dependence on temperature
- Withstands pressures exceeding 25 Mpa
- Can operate in temperatures exceeding 90 °C
- Excellent water separation

PRODUCT INFORMATION

Available viscosity grades:

22, 32, 46, 68, 100, 150

Packaging sizes:

1L, 4L, 18L, 205L

Classifications:

MH-L/HL – For lubrication of hydrostatic oil systems and frictional mechanisms with circulative lubrication, which require lubricants with high stability against oxidation and good protective qualities (according to DIN 51524-1 standard).

MH-M/HLP – For lubrication of hydrostatic oil systems and frictional mechanisms with circulative lubrication, which require lubricants with high stability against oxidation and good protective qualities, as well as increased anti-scratch and anti-wear properties (according to DIN 51524-2 standard).

MH-MV/HVL – Hydraulic oils with anti-oxidation, anti-corrosion and anti-wear additives, high viscosity index and a low pour temperature (according to DIN 51524-3 standard).

MH-MVD/HVLPD – Hydraulic oils with anti-oxidation, anti-corrosion, anti-wear, detergent and dispersive additives with a high viscosity index.

PRODUCT DATA SHEET – TYPICAL VALUES
HYDRAULIC OILS MH-M

Index	Viscosity grade						Testing method
	22	32	46	68	100	150	
Kinematic viscosity 40°C, mm/s ²	19.8 – 24.2	28.8 – 35.2	41.1 – 50.6	61.2 – 74.8	90.0 – 110.0	135.0 – 165.0	EN ISO 3104
Viscosity index ≥	95	95	95	95	95	95	ISO 2909
Flash point, °C ≥	165	180	190	200	205	210	EN ISO 2592
Pour point, °C, ≤	-25	-25	-25	-20	-20	-20	ISO 3016
Water content, %, ≤	none	none	none	none	none	none	EN ISO 12937
Mechanical impurities, %	none	none	none	none	none	none	EN ISO 12662
Anticorrosion properties in distilled water	OK	OK	OK	OK	OK	OK	ISO 7120
Corrosion on metal plate ≤	2b	2b	2b	2b	2b	2b	ISO 2160
Air release capability in min/at max °C	5/50	5/50	10/50	10/50	10/50	15/75	ISO 9120
Foaming: -tendency towards foaming ≤ cm ³ ,	100-50- 100	100-50- 100	100-50- 100	100-50- 100	100-50- 100	100-50- 100	ISO 6247
-foam stability, ≤ cm ³	0-0-0	0-0-0	0-0-0	0-0-0	0-0-0	0-0-0	
Demulsifier properties, cm ³ /min	40-37- 3/20	40-37- 3/20	40-37- 3/20	40-37- 3/20	40-37- 3/20	40-37- 3/20	ISO 6614
Anti-wear properties FZG A 8.9/90 with degree of loading with damage not less than	12	12	12	12	12	12	ASTM D 5182

PRODUCT DATA SHEET – TYPICAL VALUES

HYDRAULIC OILS MH-MV

Index	Viscosity grade			Testing method
	32	46	68	
Kinematic viscosity 40°C , mm/s ²	28.8 – 35.2	41.1 – 50.6	61.2 – 74.8	EN ISO 3104
Kinematic viscosity at 0°C,mm ² /s	200	300	550	EN ISO 3104
Viscosity index ≥	95	95	95	ISO 2909
Flash point,°C ≥	180	190	200	EN ISO 2592
Pour point, °C, ≤	-42	-33	-30	ISO 3016
Water content,%≤	none	none	none	EN ISO 12937
Mechanical impurities, %	none	none	none	EN ISO 12662
Anticorrosion properties in distilled water	OK	OK	OK	ISO 7120
Corrosion on metal plate ≤	2b	2b	2b	ISO 2160
Air release capability in min/at max °C	5/50	10/50	10/50	ISO 9120
Foaming: -tendency towards foaming ≤ cm ³ ,	100-50-100	100-50-100	100-50-100	ISO 6247
-foam stability , ≤ cm ³	0-0-0	0-0-0	0-0-0	
Demulsifier properties ,cm ³ /min	40-37-3/20	40-37-3/20	40-37-3/20	ISO 6614
Anti-wear properties FZG A 8.9/90 with degree of loading with damage not less than	12	12	12	ASTM D 5182
Acidity number, mgKOH/g, typ.	0.8	0.8	0.8	DIN 51588

PRODUCT DATA SHEET – TYPICAL VALUES
HYDRAULIC OILS MH-MVD

Index	Viscosity grade			Testing method
	32	46	68	
Kinematic viscosity 40°C , mm/s ²	28.8 – 35.2	41.1 – 50.6	61.2 – 74.8	EN ISO 3104
Kinematic viscosity at 0°C,mm ² /s	400	600	1000	EN ISO 3104
Viscosity index ≥	105	105	105	ISO 2909
Flash point,°C ≥	180	190	200	EN ISO 2592
Pour point, °C, ≤	-33	-30	-27	ISO 3016
Water content,%≤	none	none	none	EN ISO 12937
Mechanical impurities, %	none	none	none	EN ISO 12662
Anticorrosion properties in distilled water	OK	OK	OK	ISO 7120
Corrosion on metal plate ≤	2b	2b	2b	ISO 2160
Air release capability in min/at max °C	5/50	10/50	10/50	ISO 9120
Foaming: -tendency towards foaming ≤ cm ³ ,	100-50-100	100-50-100	100-50-100	ISO 6247
-foam stability , ≤ cm ³	0-0-0	0-0-0	0-0-0	
Demulsifier properties ,cm ³ /min	40-37-3/20	40-37-3/20	40-37-3/20	ISO 6614
Anti-wear properties FZG A 8.9/90 with degree of loading with damage not less than	12	12	12	ASTM D 5182
Acidity number, mgKOH/g, typ.	1.0	1.0	1.0	DIN 51588