TECHNICAL DATASHEET

PLURAFLUID HM 32/46/68/100/150

Mineral Lubricant for hydraulic systems & compressors

SPECIFICATIONS

- **ISO 6743-4 : HM**
- **DIN 51 524-2 : HLP**
- **CINCINATI Machine P68, P69, P70**
- **DENISON HF 0, HF 1, HF 2**
- **VICKERS I 286-S, M2950-S**

APPLICATIONS

PLURAFLUID HM can be used in all types of mobile and stationary hydraulic units as well as compressors where the use of a demulsifying hydraulic oil (type HLP) is recommended. Synergistically acting additives guarantee a long lifetime and high hydraulic performance. Even at high temperatures and high loads, the base oils with the additives ensure that the system will be operated reliably during a long lifetime.

PLURAFLUID HM are using virgin mineral Group II base oils and high-quality additives which improve the ageing and oxidation stability. They also guarantee excellent corrosion protection properties (steel and iron materials). Copper deactivators protect copper & yellow metal materials. The selected Anti-Wear- / mild EP-additives based on zincdialkyldithiophosphates protect hydraulic pumps, motors and components from wear (at low and high temperatures and at high loads)

ADVANTAGES

- Excellent demulsibility
- Very good corrosion protection
- High ageing stability / high oxidation stability
- Good AW wear protection
- Excellent filtration behaviour (dry, wet)
- Low foaming
- Excellent air release

TECHNICAL CHARACTERISTICS

AVERAGE CHARACTERISTICS	UNIT	AVERAGE VALUES					METHODS
ISO Grade		**32**	**46**	**68**	**100**	**150**	
Specific Gravity at 20°C	kg/m³	876	875	882	883	887	NFT 60101
Viscosity à 40°C	mm²/s	32	46	68	100	150	NFT 60100
Viscosity à 100°C	mm²/s	5,5	6,9	8,8	11,1	14,5	NFT 60100
Viscosity Index		109	105	100	96	94	NFT 60136
Flash Point	°C	205	210	224	232	224	NFT 60118
Pour Point	°C	-24	-24	-24	-18	-15	NFT 60105
Air release at 50°C (max)	mns	4	6	13	17	30	DIN ISO 9120
Demulsification at 54°C	mns	10	10	15	-	-	DIN ISO 6614

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