

LORENT ZM

Industrial Hydraulic Oil

Description

LORENT ZM series are formulated from highly refined paraffinic base oil with anti-wear, anti-oxidant, anti-foam & rust inhibitor additives (ISO-L-HM). These oils are available in a wide range of viscosity to all types of hydraulic systems and equipment.

Specification Meets

- ▶ DIN 51524 Part II (HM)
- ▶ ISO 11158 (HM)

Application

LORENT ZM series are recommended for moderate duty hydraulic system running under mild or normal operating conditions.

Advantages

- ▶ Excellent anti-rust and corrosion properties
- ▶ Excellent thermal and oxidation stabilities
- ▶ Excellent wear protection for maximum equipment life
- ▶ Good water separation
- ▶ Good foaming properties
- ▶ Good sludge and particulate control
- ▶ Excellent hydrolytic stability

Typical Data of Lorent ZM

Characteristics	Unit	LORENT ZM				Test Method
		32	46	68	100	
Color		L0.5	L1.0	1.0		ASTM D 1500
Density @ 15°C	kg/l	0.8573	0.8706	0.8806	0.887	ASTM D 4052
Kinematic Viscosity @ 40°C	mm ² /s	32.35	46.15	68.13	103.00	ASTM D 445
Kinematic Viscosity @ 100°C	mm ² /s	5.53	6,90	8.78	11.50	
Viscosity Index		106	105	101	98	ASTM D 2270
Flash Point COC	°C	222	228	230	255	ASTM D 92
Pour Point	°C	-21	-18	-15	-9	ASTM D 97
Demulsibility @54.0°C/82.0°C ml/ml/ml	Min	10' (40/40/0)	10' (40/40/0)	10' (40/40/0)	10' (40/40/0)	ASTM D1401
Foaming						ASTM D 892
Seq.I : 24°C	ml	0/0	0/0	0/0	0/0	
Seq.II : 93.5°C	ml	10/0	10/0	10/0	10/0	
Seq.III: 24°C after 93.5°C	ml	0/0	0/0	0/0	0/0	

* the typical characteristic mentioned represent mean values