PanaOIL
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AMON SH

Reciprocating and screw air compressor oil

Description

AMON SH was developed to meet the increased requirements of compressor manufacturers on the service life of compressor oils. Due to the function of compressors, intensive swirling of the cooling oil and air occurs. At high compression temperatures, the oils are subjected to a strong oxidative attack that accelerates ageing. The selection of special mineral base oils and additive systems in **AMON SH** makes long, interruption free operation possible. To ensure optimum performance of the oil separator, the air release properties and low foaming are characteristic for screw compressor oils.

The most important functions of lubricating and cooling oils in screw and reciprocating compressors are:

- Cooling the compressed air
- Bearing lubrication
- Sealing the chambers
- Corrosion protection
- Preventing the formation of deposits

Applications

AMON SH is suitable for the use of compressors equipment such as pumps compressors.

Specification Meets

AMON SH meets the DIN 51 506 (VBL, VCL, VDL), ISO/DP 6521 (DAA, DAB, DAH, DAG) standards.

Advantages

- Excellent viscosity temperature behaviour (high natural viscosity index), shear stable.
- Excellent oxidation stability
- Low evaporation losses
- Excellent wear protection
- Good demulsifying properties
- Excellent corrosion protection
- Good compatibility with elastomers
- Low foaming/good air release
- Suitable for high temp applications

Typical Data of AMON SH

Characteristics	Unit	AMON SH			Test Method
		32	46	68	
Color		L 0.5	L 0.5	L 0.5	ASTM D 1500
Density @ 15 °C	kg/L	0.8483	0.8622	0.8725	ASTM D 4052
Kinematic Viscosity @ 40 °C	cSt	31.65	44.54	65.74	ASTM D 445
Kinematic Viscosity @ 100 °C		5.54	6.90	8.76	
Viscosity Index		112	111	104	ASTM D 2270
Flash Point (COC)	°C	230	230	230	ASTM D 92
Pour Point	°C	-21	-21	-21	ASTM D 97
Demulsibility @ 54.0 °C/82.0 °C	(min) mL/mL/mL	(10') 40/40/0	(10') 40/40/0	(5') 40/40/0	ASTM D 1401
Sequence I : 24 °C	mL	0/0	0/0	0/0	ASTM D 892
Sequence II : 93.5 °C		10/0	10/0	10/0	
Sequence III : 24 °C after 93.5 °C		0/0	0/0	0/0	

** the typical characteristic mentioned represent mean values*

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