



MORRIS
LUBRICANTS

Technical Data



AIR FORCE 4000 ISO VG 32, 46, 68 & 100 ROTARY SCREW COMPRESSOR FLUIDS

Description

Specially formulated '4000 hour' fluids developed to meet the needs of rotary screw compressors, ensuring long, trouble-free compressor life.

- Exceptional anti-wear performance for long compressor life.
- Minimal oil carryover for improved separator life.
- Corrosion inhibited, high stability formula.
- Enhanced water separating properties.
- Excellent compatibility with most downstream equipment.

AIR FORCE 4000 fluids will retain their performance characteristics throughout a 4000 hour design life, providing bulk oil temperature does not exceed 90°C and a maximum ambient temperature does not exceed 35°C. If either of these temperatures is exceeded, more frequent oil changes will be required.

Applications

This highly stable advanced formula fluid is designed for use in continuous operation and stop / start industrial compressors, train brake compressors and vehicle mounted or portable road breaking compressors.

These fluids are also suitable for use in reciprocating compressors where the viscosity grade is appropriate.

Performance Levels

Foaming test – Nil foam (all sequences)
DIN 51506 VD-L Category

Physical Characteristics

	32	46	68	100
ISO Viscosity Grade	32	46	68	100
Density at 15°C	0.872	0.881	0.881	0.883
Kinematic Viscosity at 100°C, cSt.	5.4	6.7	8.3	10.7
Kinematic Viscosity at 40°C, cSt.	31.8	46	67.2	94.2
Viscosity Index	105	100	100	95
Flash Point (Closed) °C	205	215	220	220
Sulphated Ash, %Wt.	<0.01	<0.01	<0.01	<0.01
Pour Point, °C	-35	-35	-30	--30
Foaming Test	←————— Pass —————→			
F.Z.G.	←————— Pass load stage 11 —————→			

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