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# Gulf Fidelity 46

Ashless Air Compressor Oil

## Product Description:

Gulf Fidelity 46 is a high performance ashless air compressor oil specially designed to meet the stringent requirements of major compressor manufacturers and is formulated with high quality base oils and carefully selected performance additives to provide excellent protection against oxidation degradation, rust & corrosion and foaming & entrained air. The low carbon forming tendency coupled with high FZG rating makes Gulf Fidelity 46 suitable for both reciprocating and rotary air compressors.

Gulf Fidelity 46 has excellent thermo-oxidative stability that controls the formation of sludge & varnish on valves & piston crowns and improves oil life resulting in improved equipment reliability, availability and efficiency. Low ash and carbon forming tendency ensures improved valve performance and reduced potential for fires and explosions in the discharge systems. Exceptional wear and rust protection results in reduced maintenance costs and longer equipment life. Superior demulsibility reduces oil carryover and corrosion, maintains lubrication efficiency, reduces sludge formation and improves life of coalescers.

Gulf Fidelity 46 is recommended for reciprocating air compressors operating with a high discharge temperatures of up to 220°C used in stationary and mobile applications. Also suited for rotary screw and vane compressors, axial and centrifugal compressors & can also be used in circulating oil systems, plain and rolling element bearings and lightly loaded gear sets.

Meets the specifications of:  
DIN 51 506 VBL/VCL/VDL  
ISO 6743-3A ISO-L-DAA/DAB/DAG/DAH

<u>Properties:</u>	<u>Test Methods:</u>	<u>Typical Values:</u>
ISO Viscosity Grade	ISO 3448	46
Density @ 15°C	ASTM D4052	876 kg/m <sup>3</sup>
Kinematic Viscosity @ 40°C	ASTM D445	41.4-50.6 mm <sup>2</sup> /s (cSt)
Viscosity Index	ASTM D2270	>100
Flash Point	ASTM D92	>220°C
Pour Point	ASTM D97	<-24°C
Conradson Carbon Residue (CCR)	ASTM D189	<0.01 % m
Rust Test	ASTM D665 A/B	Pass
Water Separability Characteristics @ 54°C	ASTM D1401	Pass
Foaming Characteristics: Sequence I, II, III	ASTM D892	Pass
FZG A/8.3/90: Load Stage Fail	DIN 51 354 Part 2	>12

Product Code: 4707	Date Issued: 16/07/2012	Date Superseded: 05/01/2012	Revision nr: 02
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