



Gulf Fidelity

High Performance Air Compressor Oil

Product Description

Gulf Fidelity series are high performance ashless compressor oils specially designed to meet stringent requirements of major compressor manufacturers. These oils are 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 foaming tendency coupled with high FZG rating make these oils suitable for both reciprocating and rotary air compressors. These oils exceed the performance requirements of DIN 51506 VDL and ISO 6743-3:2003 DAA Normal Duty.

Features & Benefits

- Excellent thermo-oxidative stability 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

Applications

- Reciprocating air compressors operating with a high discharge temperatures of up to 220°C used in stationary and mobile applications
- Single or multiple stage rotary screw and vane, centrifugal compressors and reciprocating compressors of various OEMs including Hydrovane, Sullair, Atlas Copco, Compare and others
- Axial and centrifugal compressors
- Also used in circulating oil system, plain and rolling elements bearing, lightly loaded Gear sets, etc

Specifications, & Typical Properties

ISO Viscosity grades		32	46	68	100	150
Specification						
DIN 51506 VDL		X	X	X	X	X
Typical Properties						
Test Parameters	ASTM Method	Typical Values				
Viscosity @ 40 °C, cSt	D 445	32	46	68	100	150
Viscosity Index	D 2270	100	100	100	110	115
Flash Point, °C	D 92	218	230	234	243	246
Pour Point, °C	D 97	-33	-30	-30	-27	-24
Density @ 15°C, Kg/l	D 1298	0.854	0.857	0.859	0.861	0.870
Conradson Carbon Residue(CCR), %m	D 189	<0.01	<0.01	<0.01	<0.01	<0.01
Rust Test	D 665 A/B	Pass	Pass	Pass	Pass	Pass
Emulsion Test 30 minutes max	@ 54°C	D 1401	Pass	Pass	Pass	-
	@ 82°C		-	-	-	Pass
Foam (aft 10 mins of settling-all seq)	D 892	Nil	Nil	Nil	Nil	Nil

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Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. The above information is based on past history of the grade only and must not be construed as a guarantee of performance. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available from your nearest Gulf Distributor.

Gulf Oil International

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