



Gulf Fidelity

High performance air compressor oil

Product Description

Gulf Fidelity series are high performance ashless air compressor oils specially designed to meet the 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 forming 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.
- Rotary screw and vane compressors
- Axial and centrifugal compressors
- Also used in circulating oil systems, plain and rolling element bearings, lightly loaded Gear sets, etc

Specifications, Approvals & 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	32.2	46.1	68.3	99.8	151.1
Viscosity Index	D 2270	105	105	105	103	121
Flash Point, °C	D 92	212	216	220	228	234
Pour Point, °C	D 97	-15	-15	-12	-12	-12
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 @ 82 °C	D 1401	Pass	Pass	Pass	-
			-	-	-	Pass
Foam (aft 10 mins of settling - all seq)	D 892	Nil	Nil	Nil	Nil	Nil
FZG, fail load stage, minimum	DIN 51354 Part II	11	12	12	11	11

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