



## 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
<b>Specification</b>					
DIN 51506 VDL		X	X	X	X
<b>Typical Properties</b>					
Test Parameters	ASTM Method	Typical Values			
Viscosity @ 40 °C, cSt	D 445	32.2	46.1	68.3	99.8
Viscosity Index	D 2270	105	105	105	103
Flash Point, °C	D 92	212	216	220	228
Pour Point, °C	D 97	-15	-15	-12	-12
Density @ 15°C, Kg/l	D 1298	0.854	0.857	0.859	0.861
Conradson Carbon Residue (CCR), %m	D 189	< 0.01	< 0.01	< 0.01	< 0.01
Rust Test	D 665 A/B	Pass	Pass	Pass	Pass
Emulsion Test 30 minutes max	@ 54 °C @ 82 °C	D 1401	Pass	Pass	Pass
			-	-	-
Foam (aft 10 mins of settling - all seq)	D 892	Nil	Nil	Nil	Nil
FZG, fail load stage, minimum	DIN 51324	11	12	12	11

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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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