



FADCOM

Rotary Screw, Vane and Reciprocating Piston Air Compressor Oil

Specification and Approvals

DIN 51506 VD-L; ISO 6743-3; DAA and DAB for rotary air compressors; DAG for screw air compressors.

Description

MOGAS FADCOM air compressor oil is a high performance ashless oil specially formulated using high quality base oils and carefully selected additives to meet the stringent requirements of major compressor manufacturers, for lubrication of rotary and reciprocating air compressors.

Features and Benefits

- ◆ Excellent oxidative stability controls formation of sludge and varnish on valves and piston crowns.
- ◆ Low ash and carbon forming tendency ensures improved valve performance and reduced potential for fire and explosion occurrence in the discharge systems.
- ◆ Exceptional wear & rust protection ensuring reduced maintenance costs and longer equipment life.
- ◆ Superior demulsibility reduces oil carry-over and corrosion and maintains lubrication efficiency.

Applications

Recommended for lubrication of rotary screw, vane, lobe, scroll; reciprocating piston and dynamic axial flow, centrifugal air compressors. Viscosity grade 32, 46 and 68 are suitable for oil flooded rotary air compressors type with lubricant drain cycles of up to 4000 hours under normal use. Normal use in screw type compressors is defined by a maximum air discharge temperature $\leq 165^{\circ}\text{C}$ and discharge pressure ≤ 70 bar as defined by ISO 6743-3:2003, while viscosity grades 68 and 100 would be selected for reciprocating air compressors operating at high discharge temperatures of up to 220°C . Viscosity grade 150 is recommended for sliding-vane compressors, or for reciprocating units at high ambient temperatures.

Typical Properties

Test Parameters	Test Method	32	46	68	100	150
Viscosity @ 40°C mm ² /s	ASTM D 445	32.2	46.1	68.2	100	151
Viscosity @ 100°C mm ² /s	ASTM D 445	5.6	6.7	8.6	11.4	14.5
Viscosity Index	ASTM D 2270	105	105	105	102	120
Neutralization Value mg KOH/g	ASTM D 2896	0.3	0.3	0.3	0.3	0.3
Conradson Carbon Residue (%m)	DIN 51352/2	0.7	0.7	0.7	<3.0	<3.0
Pour Point $^{\circ}\text{C}$	ASTM D 97	-15	-15	-12	-12	-12
Flash point (COC) $^{\circ}\text{C}$	ASTM D 92	226	232	232	253	256
Density @ 15°C kg/l	ASTM D 4052	0.854	0.857	0.859	0.861	0.870
Rust Test	ASTM D 665 A/B	Pass	Pass	Pass	Pass	Pass
Foam sequential (all Seq.) ml/ml	ASTM D 892	30/Nil	30/Nil	30/Nil	30/Nil	30/Nil
RPVOT	ASTM D 2272	270	270	270	-	-

The typical characteristics mentioned represent mean values

Health and Safety

This product used as per our recommendation for the intended application is not expected to produce any particular risk. A safety data sheet of it is available upon request from our sales contact office or on our website. In case of used oil disposal, please respect the Regulations to protect the environment.