FS Synthetic Ester Compressor Oil ISO 100 & 150

Description

Formulated with esters and ashless additives to provide long oil life in rotary and reciprocating air compressors and vacuum pumps.

Features and Benefits:

- Excellent resistance to varnish and carbon helps extend valve life and reduce maintenance
- Formulated with ashless additives to help reduce deposits
- Strong ability to separate from water to protect against rust and corrosion
- Excellent anti-foam properties provide improved film strength and heat control
- Long oil life reduces maintenance costs

Applications:

FS Synthetic Ester Compressor Oil ISO 100 & 150 are designed for rotary and reciprocating air compressors and vacuum pumps. Oil life is dependent on operating conditions and maintenance practices – a regular oil analysis program is recommended. These oils are not recommended for breathing air or refrigeration compressors.

Recommended Use:

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- Seals – Viton, high-nitrile Buna-N (>36%), Teflon
- Paints – Epoxy paint, oil-resistant Alkyd, two-part urethane
- Plastics – Nylon, Delrin, Celcon, polybutylene terephthalate (PBT)
- Oil types – Petroleum, poly-alpha-olefin (PAO), diester, polyolester

Not Recommended:

- Seals – Neoprene, styrene-butadiene rubber (SBR), low-nitrile Buna-N
- Paints – Acrylic paint, lacquer
- Plastics – Polystyrene, polyvinyl chloride (PVC), acrylonitrile butadiene styrene (ABS)
- Oil types – Polyglycol (PAG), Silicone

Typical Properties:

Test / Description	Specification	
ISO VG ASTM D2422	**100**	**150**
Viscosity @ 100°C, cSt, ASTM D445	13.1	17.7
Viscosity @ 40°C, cSt, ASTM D445	98.3	150.4
Viscosity Index ASTM D2270	130	130
Specific Gravity (g/ml) ASTM D1298	0.9141	0.9117
Density, (lb/gal) ASTM D1298	7.612	7.592
Color ASTM D1500	L1.5	L1.5
Flash Point, °C (°F) (COC) ASTM D92	264 (507)	250 (482)
Fire Point, °C (°F) (COC) ASTM D92	278 (532)	270 (518)
Pour Point, °C (°F) ASTM D97	-43 (-45)	-38 (-36)
Four Ball Wear Test, mm scar **75°C, 1200rpm, 40kg, 1hr ASTM D4172**	0.47	0.44
Rust Procedure A ASTM D665	Pass	Pass
Foam Tendency ASTM D892 **SEQ I** **SEQ II** **SEQ III**	 0/0 0/0 0/0	 0/0 0/0 0/0
Copper Corrosion, 100°C, 3 hr ASTM D130	1A	1A
Demulsibility ASTM D1401	40-40-0 (20)	40-40-0 (25)