

# FS Synthetic Ester Compressor Oil

## ISO 100 & 150

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### 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:

Recommended:

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