



Air Compressor Oil

Phillips 66® Air Compressor Oil is a high-quality, non-detergent circulating oil developed primarily for use in older reciprocating air compressors. It also is recommended for use in other industrial applications where the equipment manufacturer specifies a non-detergent, ISO VG 100 / SAE 30 mineral oil.

Air Compressor Oil is formulated to provide excellent oxidation resistance, rust and corrosion protection, and resistance to foaming. It has excellent oxidation resistance and thermal stability at high temperatures to minimize deposit formation and provide long service life. It protects against rust and corrosion. It has good water-separating properties to minimize the formation of emulsions and is resistant to excessive foam buildup.

Applications

- Older reciprocating air compressors with low discharge temperatures
- Deep well water pump gear drives
- Vacuum pumps
- Lightly loaded enclosed industrial gear drives where an AGMA 3 (non-EP) oil is specified
- Industrial applications that require a non-detergent, ISO VG 100 / SAE 30 oil

Features/Benefits

- Excellent oxidation resistance and thermal stability
- Protects against sludge and varnish formation
- Protects against rust and corrosion
- Good water-separating properties
- Good foam resistance
- Low carbon-forming tendency

Non-Detergent Air Compressor Oil

KEEPING THE
WORLD
RUNNING
SMOOTHLY. 



Air Compressor Oil

Typical Properties	
ISO Grade	100
Specific Gravity @ 60°F	0.868
Density, lbs/gal @ 60°F	7.23
Color, ASTM D1500	0.5
Flash Point (COC), °C (°F)	277 (531)
Pour Point, °C (°F)	-29 (-20)
Viscosity	
cSt @ 40°C	100
cSt @ 100°C	11.3
SUS @ 100°F	522
SUS @ 210°F	65.0
Viscosity Index	99
Acid Number, ASTM D974, mg KOH/g	0.08
Copper Corrosion, ASTM D130	1a
Demulsibility, ASTM D1401, minutes to pass	25
Foam Test, ASTM D892, Seq. I, mL	0/0
Rust Test, ASTM D665 A&B	Pass

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/EN/products/Pages/MSDS.aspx>.

