

DESCRIPTION

R&O Oil is a rust and oxidation-inhibited hydraulic oil that is useful in air compressors requiring non-synthetic oil, low speed geared turbines, in circulating systems and in many other industrial applications. They possesses outstanding thermal and oxidation stability, good load carrying capacity, excellent water separability, superior rust and corrosion inhibition, low foaming tendency, good air release properties and resistance to chemical degradation to provide excellent equipment protection, reliable operation, with reduced down-time and extended service life.

APPLICATIONS

- ◆ Commonly found in centrifugal air compressors and in air tools and pneumatic equipment.
- ◆ Widely used as a circulating oil in circulating systems.
- ◆ Can also be used in lightly loaded, enclosed gear drives.
- ◆ General-purpose machinery and shop lubrication.

BENEFITS

- ◆ Good water separation capability resists formation of emulsions and allows to easy removal of excess water from the lubrication system.
- ◆ Effective rust and corrosion inhibitors provide long term protection to critical system components.
- ◆ Good air release properties and foam control avoid erratic operation and pump cavitation leading to trouble free operation.

TYPICAL PROPERTIES

TEST PARAMETER	METHOD	ISO32	ISO46	ISO68	ISO100
Density @ 15 °C, lbs/gal	ASTM D4052	7.107			7.208
Kinematic Visc. @ 40 °C, cSt	ASTM D7042	31.6	48.9	69.3	98.8
Kinematic Visc. @ 100 °C, cSt	ASTM D7042	5.6	7.6	9.5	12.3
Viscosity Index	ASTM D2270	117	118	116	117
Flash Point, °C (°F)	ASTM D93	203 (397)	201 (394)	195 (383)	187 (369)
Pour Point, °C (°F)	ASTM D97	-31 (-24)	-27 (-17)	-27 (-17)	-24 (-11)

TEST PARAMETER	METHOD	ISO150	ISO220	ISO320	ISO460
Density @ 15 °C, lbs/gal	ASTM D4052	7.243	7.271	7.262	7.301
Kinematic Visc. @ 40 °C, cSt	ASTM D7042	145	218	321	452
Kinematic Visc. @ 100 °C, cSt	ASTM D7042	15.6	21.7	28.8	36.9
Viscosity Index	ASTM D2270	111	119	121	123
Flash Point, °C (°F)	ASTM D93	178 (352)	176 (349)	203 (397)	201 (394)
Pour Point, °C (°F)	ASTM D97	-24 (-11)	-21 (-6)	-18 (0)	-15 (5)

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