



ATLANTIC SYNTHETIC AIR COMPRESSOR OILS

Fully Synthetic - Peak Pressure Performance

DESCRIPTION

ATLANTIC SYNTHETIC AIR COMPRESSOR OILS are fully synthetic, superior quality air compressor lubricants for extended oil drain intervals with discharge temperatures up to 200°C for stationary and mobile applications. Very effective in screw type compressors with oil injection cooling. ATLANTIC SYNTHETIC AIR COMPRESSOR OILS use a unique additive systems that provide outstanding thermal and oxidation stability, high viscosity index, high flash point, low pour point, anti-wear protection, and excellent hydrolytic stability. It also protects against the formation of oxidation byproducts and acidic materials which will eventually cause deposits and varnish, rust, oxidation, and foaming.

APPLICATIONS

ATLANTIC AIR COMPRESSOR OILS are designed primarily for rotary screw and vane air compressor, particularly effective for continuous high temperature operation with discharge temperatures up to 200° C. Suitable for units with a history of excess oil degradation, poor valve performance or deposit formation & are compatible with all metals used in compressor construction and with mineral-oil compatible elastomers used in seals, O-rings and gaskets, compressor systems with critical gears and bearings, units operating under severe conditions. Reciprocating air compressor crankcases and cylinders.

ATLANTIC SYNTHETIC AIR COMPRESSOR OILS show excellent performance in the following types of compressors;

- Rotary screw and vane air compressor
- Screw type compressors with oil injection cooling
- Units operating under severe conditions
- Multistage units with a history of excessive oil degradation from mineral oil-based products
- Compressor systems with critical gears and bearings
- Compressors used in stationary and mobile applications

ATLANTIC AIR COMPRESSOR OILS are not recommended for air compressors used in breathing air applications.

PRODUCT BENEFITS

- Wide temperature range capability
- Significant performance capabilities relative to mineral oils
- Improved safety
- Extended service life
- Lower maintenance costs
- Reduced blockage of coalescers, inter- and after-coolers
- Less carryover to downstream equipment
- Longer oil life
- Reduced coking deposits
- Reduced wear of bearings and gears
- Improved protection of internal compressor components
- Reduced sludge formation in crankcases and discharge lines
- Improved filter life
- Less potential for emulsion formation

RECOMMENDATIONS / SPECIFICATIONS

Meets or exceeds the requirements of: China GB/T 12691-2021,L-DAJ

TYPICAL TECHNICAL PROPERTIES

PRODUCT CODE	SYN SERIES							
	IL-25007-1	IL-25007-2	IL-25007-3	IL-25007-4	IL-25007-5	IL-25007-6	IL-25007-7	IL-25007-8
ISO Viscosity Grade	32	46	68	100	150	220	320	460
Density at 15°C, g/ml, ASTM D4052	0.846	0.849	0.856	0.86	0.862	0.862	0.866	0.866
Kinematic Viscosity at 40°C, mm²/s, ASTM D445	31.5	44	66.6	105	158	231	336	483
Kinematic Viscosity at 100°C, mm²/s, ASTM D445	5.7	7.2	10.1	14.1	19.5	27.0	33.7	43.3
Viscosity Index, ASTM D2270	127	131	136	136	142	152	142	142
Flash Point(COC), °C, ASTM D92	245	246	246	260	260	260	260	260
Pour Point, °C, ASTM D97	-48	-45	-45	-36	-36	-33	-33	-30
Rust Characteristics; ASTM D665	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Copper Corrosion 3 h at 121°C, ASTM D130	1B	1B	1B	1B	1B	1B	1B	1B

Note: These characteristics are typical of current production. While future production will conform to Atlantic's specification, variations in these characteristics may occur.

ATL/PDS/IL/09-12600-602L/01*, 01.05.25, Page 1/1

* supersedes all previous versions

Packing: 18L, 20L, 25L, 200L, 205L, 208L, 210L