

All-Syn Air
Air Compressor Oil
No. 323

ISO: 32, 46, 68, 100, 150

DESCRIPTION:

All-Syn Air Compressor Oil is a superior quality ashless, high performance compressor lubricant blended from extremely high viscosity index polyalphaolefin (PAO) synthetic base fluids and specially selected additives. Compared to compressor oils made with petroleum base stocks **All-Syn Air** provides higher thermal stability and a higher viscosity index. This lubricant can be used in a wide variety of compressor applications. This includes reciprocating, rotary screw and centrifugal type compressors. The combination of synthetic base oils, special ashless friction reducing and anti-oxidation additives make this an extremely long life lubricant.

PERFORMANCE CHARACTERISTICS:

- **Oxidation resistant**
Oxidation inhibitors and premium quality PAO base stocks combine to form a product with outstanding resistance to oxidation, sludge and varnish, designed for extended drain intervals
- **Provides excellent anti-wear protection**
Special ashless anti-wear additives protect against wear at high pressure and under heavy loads
- **Friction reduction**
Exclusive friction reducing additives provide reduced operating temperature and reduced horsepower requirements in comparison to conventional compressor oils.
- **Thermal stability**
Provides low carbon and deposit forming tendencies for cleaner, cooler operation
- **Superior rust protection**
Inhibitors protect metal parts from moisture during operation and shut down.
- **Demulsibility**
Designed to separate rapidly from water for extended filter life
- **High viscosity index**
Allows efficient operation and reduces horsepower requirements at both low and high temperatures

TYPICAL APPLICATIONS:

Reciprocating Compressors
Rotary Compressors
Vacuum Pumps

Screw Compressors
Vane Compressors
Industrial Turbines

Lobe Compressors
Hydraulic Systems

SUMMARY:

Air compressors are constantly subjected to adverse conditions such as moisture, heat, high speeds, long operating intervals and high pressures. Each of these factors affects the ability of the compressor fluid to provide the protection needed. Carbon, gum and varnish buildup lead to accelerated wear in bearings, rings, vanes, gears, rotors and cylinders. Oil deterioration results in excessive wear causing expensive downtime and rebuilds. **ALLSYN AIR Compressor Oil is formulated to greatly reduce these problems and provide maximum compressor efficiency and life.**

TYPICAL SPECIFICATIONS:

ISO Grade	32	46	68	100	150
Viscosity: @ 40°C, cSt	32.0	43.0	66.0	93.0	142
@ 100°C, cSt	5.80	7.20	9.80	12.5	16.3
@ 100°F, SUS	163	220	339	482	737
@ 210°F, SUS	45.7	50.4	59.6	69.8	85.1
Viscosity Index	126	130	132	130	122
Specific Gravity,	0.8540	0.8560	0.8610	0.8620	0.8899
Density, lbs./gal	7.112	7.129	7.170	7.179	7.410
Pour Point, °F	-81	-38	-44	-44	-40
°C	-63	-39	-42	-42	-40
Flash Point, °F	490	515	520	535	535
°C	254	268	271	279	279
Auto Ignition Temp., °F	730	745	745	760	760
°C	388	396	396	404	404
Emulsion Tendency Minutes	40/40/0 10	40/40/0 10	40/40/0 20	40/40/0 15	42/38/0 15

Values shown here are typical, and may vary.

PERFORMANCE PRODUCTS GUARANTEED

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