

# AIRTOP SUPERIOR 100

**Productcode:** 261502401

## Polyalphaolefin (PAO) Air Compressor Lubricants

This product is a combination of high-grade synthetic PAO and ester base fluids and specially engineered additive systems. They are used successfully for the long term lubrication of screw, centrifugal or reciprocating (piston type) air compressors. These 100% premium synthetic oils are used where maximum seal, paint, and plastic compatibility is required. Airtop Superior 32, Superior 46 and Superior 68 are designed for rotary screw and centrifugal air compressors and will offer a typical service life of up to 8,000 hours and more under normal industrial operating conditions. Airtop Superior 100, Superior 150 and Superior 220 are designed for rotary vane and reciprocating compressors.

This compressor oil provides exceptionally long drain intervals, lasting up to eight times longer than mineral oils, and significantly reduces maintenance needs. Its low friction properties and resistance to viscosity increase from oxidation improve operating efficiency and lower energy costs. Excellent foam control helps reduce heat, oxidation, and wear, while high-contact areas remain protected for longer compressor life and improved performance. The oil offers superior water separation, preventing rust and allowing condensation water to be drained easily for safer disposal and extended oil life.

It resists varnish, carbon, and acid formation, offering better protection in hot conditions than petroleum oils. Its low volatility minimizes evaporation losses, reduces oil contamination in air tools and production processes, and lessens the need for filter changes. The oil's high flash, fire, and auto-ignition points, along with its low carbon-forming tendency, reduce fire and explosion risks. A high viscosity index ensures stable lubrication across temperature changes, with excellent cold-start pumpability. Finally, it is compatible with all seal and coating types, making it a versatile and reliable choice for compressors.

### Benefits & Advantages

- This product offers high performance protection of compressors in extreme conditions: high load and temperatures, compressing reactive and dirty gases, intermittent operation, in warm or cold climates and in mobile applications.

### Performance level

- DIN 51506 VDL

## Typical Performance Data

Property	Test method	Value
ISO Viscosity Grade	ASTM D2422	100
Viscosity index	ASTM D2270	130
Viscosity @ 40 °C, mm <sup>2</sup> /s	ASTM D445	100
Viscosity @ 100 °C, mm <sup>2</sup> /s	ASTM D445	13.2
Flash point, °C	ASTM D92	250
Pour point, °C	ASTM D97	-45
Copper corrosion 24h @ 100 °C	ASTM D130	1a
Water Separability, ml oil/ml water/ml emulsion	ASTM D1401	excellent
Density @ 15 °C, kg/dm <sup>3</sup>	ASTM D1298	0.88
FZG A/8.3/90	ASTM D5182	>12

All performance data on this Technical Data Sheet are indicative only and can vary during production.