



Product Data

Aircol SN Range

Synthetic Air Compressor Lubricant

Description

Castrol Aircol™ SN compressor lubricants are formulated using high quality synthetic diesters.

Application

Castrol Aircol SN compressor lubricants are formulated to cope with the severe operating conditions experienced in rotary screw, rotary vane and reciprocating air compressors operating at high compression ratios and high discharge temperatures. Under these conditions Aircol SN compressor oils offer reduced carbon forming tendencies and extended oil life when compared to mineral oils due to their much higher oxidation resistance. In reciprocating units, Aircol SN grades have up to eight times the service life of mineral oils.

Advantages

- Superior oxidation stability.
- Improved lubricity and film strength.
- Higher film strength and excellent anti-wear properties.
- Excellent high temperature performance.
- Reduced maintenance, extended oil life and cleaner operations, minimises carbon formulation and provides extended valve life.
- Reduced oil consumption due to a reduction in the required lubricant feed rate to the cylinder walls and piston rings without increasing wear rates. Since less lubricant is consumed the delivered compressed air is also of higher quality.
- Reduced compressor down-time due to less wear on all moving parts, longer machine life and reduced maintenance.
- The operating temperature range of Aircol SN grades extend beyond that of conventional mineral oils. The high spontaneous ignition temperature provides greater safety by reducing the possibility of downstream fires and explosions.

Typical Characteristics

Name	Method	Units	Aircol SN 68	Aircol SN 100
ISO Viscosity Grade	-	-	68	100
Density @ 15°C / 59°F	ISO 12185 / ASTM D4052	kg/m ³	951	958
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	68.7	96
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm ² /s	7.8	10.3
Viscosity Index	ISO 2909 / ASTM D2270	-	69	86
Flash Point - open cup method	ISO 2592 / ASTM D92	°C/°F	>231 / >488	>231 / >488
Pour Point	ISO 3016 / ASTM D97	°C/°F	-45 / -49	-45 / -49
Oxidation Stability - Rotating Pressure Vessel test	ASTM D2272	minutes	>1200	>1200

Subject to usual manufacturing tolerances.

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