



Aircol SN Range

Synthetic Reciprocating Air Compressor Lubricant

Description

Castrol Aircol SN air compressor lubricants are diester based synthetic lubricants with excellent oxidation resistance and low carbon-forming tendency.

Application

Castrol Aircol SN compressor lubricants were developed to cope with the severe operating conditions experienced in reciprocating air compressors operating at high compression ratios and high discharge temperatures of up to 220°C. Under these conditions Aircol SN compressor lubricants offer much reduced carbon-forming tendencies and extended oil life when compared to mineral oils due to their much higher oxidation resistance. Whilst Aircol SN 68 was primarily intended for the crankcase and cylinders in reciprocating air compressors, it may also be used in certain types of turbochargers, where it will provide significant in-service benefits when compared with mineral based lubricants.

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 feed rate to the cylinder walls and piston rings without increasing wear rates. Since less lubricant is consumed the downstream 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 range of Aircol SN grades extends well beyond that of conventional mineral oils. The high spontaneous ignition temperature gives 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
Relative Density at 15°C	ISO 12185, ASTM D4052	g/ml	0.96	0.96
Kinematic Viscosity at 40°C	ISO 3104, ASTM D445	mm ² /s	68	100
Kinematic Viscosity at 100°C	ISO 3104, ASTM D445	mm ² /s	7.6	10.3
Viscosity Index	ISO 2909, ASTM D2270	-	67	89
Flash Point, COC	ISO 2592, ASTM D92	°C	>200	>200
Pour Point	ISO 3016, ASTM D97	°C	-40	-40

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be horizontally to avoid the possible ingress of water and the obliteration of drum markings.

Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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