



Product Data

Castrol Aircol[®] SR 46

Synthetic Air Compressor Oils

Description

Castrol Aircol[®] SR 46 is a synthetic based, high performance air compressor lubricants, formulated to provide a significantly longer service life in modern oil flood rotary screw compressor, especially when compared to conventional mineral oil based produces.

The polyalphaolefin (PAO) base fluid has far superior thermal stability compared to mineral oil and hence **Castrol Aircol[®] SR 46** is ideally suited to arduous and extreme operating conditions, e.g. two stage compressors. It also offers potential savings under normal operating conditions due to the extended service life it provides.

Combined with selected additives to minimise wear, corrosion, foaming and the problems associated with water and contaminant build-up, **Castrol Aircol[®] SR 46** fluid provides exceptional performance and equipment benefits.

Performance Benefits

| Product Features | Benefits for the User |
|------------------------------------|---|
| Synthetic (PAO) based fluid | Superior thermal stability, reduced deposit formation. Extended service life, cleaner operation. |
| Higher viscosity index | Maintains lubricant film strength, Superior lubrication of moving parts. |
| Specially selected additive system | Oil more readily separated form air/oil stream. Lower oil consumption, less oil carry-over to system. |
| Good demulsibility properties | Greater water separation form oil. Full lubrication properties maintained. |
| Excellent anti-wear properties | Reduced wear of screw rotors and bearings. |

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Recommended Applications

Suitable for use in all single and two stage oil flood rotary screw compressors, both stationary and portable type, providing a lubricant service life of up to 8,000 hours under normal operating conditions.

Manufacturer's Recommendation

Castrol Aircol® SR 46 meets the physical and performance specifications of major compressor manufacturers including Atlas Copco, Compair, Champion, Sullair, Ingersoll Rand and more.

Typical Characteristics

| Castrol | Aircol® SR 46 |
|--|----------------------|
| ISO Viscosity Grade | 46 |
| Density @ 15°C | 0.836 |
| Kinematic Viscosity, cSt @ 40°C @ 100°C | 46.0 7.85 |
| Viscosity Index | 137 |
| Open Flash Point, °C | 264 |
| Pour Point, °C | -54 |
| Neutralisation No., mgKOH/g | 0.12 |
| Rocot Test 168H @140°C Evaporation, % mass Viscosity @ 40°C, cSt Sludge, % mass | 2.15 47.9 0.06 |

All reasonable care has been taken to ensure that the information contained in this publication is accurate as of the date of printing. However, such information may, nevertheless, be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Castrol Industrial North America Inc. products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product.

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