



Product Data

Aircol PD Series – Air Compressor Oils

Mineral Oil Based Air Compressor Oils

Description

Aircol PD Series is a range of mineral oil based air compressor oils formulated to meet the demands of modern rotary screw as well as reciprocating compressors.

Specially selected additives are used to provide excellent anti-oxidation, anti-corrosion, anti-wear and anti-foam performance. The re-classifying characteristics of these oils are exceptional and this helps minimise oil carry-over from the compressor.

Application

Suitable for use in single stage oil flooded rotary screw compressors, both stationary and portable types, providing a service life of up to 2,000 hours.

Meeting the demanding DIN 51506 specification which includes the Pneurop Oxidation Test (P.O.T.), **Aircol PD Series** oils are also ideal for reciprocating type compressors.

Advantages

Product Feature	Operational Advantage	Customer Benefit
Contains high temperature stable antioxidant	Minimal ageing of oil by oxidation	Up to 2,000 hours service life
Good demulsibility properties	Reduced water contamination of oil	Full lubrication properties maintained
Specially selected re-classifying additive	Reduced oil carry over	Lower oil consumption. Cleaner discharge air
Meets DIN 51506 spec. and Pneurop Oxidation Tests	High resistance to degradation at elevated temperatures	Guaranteed level of performance
Suitable for both rotary and reciprocating compressors	Potential for rationalisation	Reduce stock holding

B1034/94/9 replaces B899/92/Ind5
Bulk Item Code 105059 (Aircol PD 32)
Bulk Item Code 050138 (Aircol PD 46)
Bulk Item Code 050146 (Aircol PD 68)
Bulk Item Code 050153 (Aircol PD 100)

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Technical

Test	Test Method	Castrol Aircol PD Grades			
		32	46	68	100
Physical Properties					
Density at 15 ⁰ C	IP 160	0.876	0.883	0.886	0.89
KV @ 40 ⁰ C (cSt)	IP 71	32	46	68	100
@100 ⁰ C (cSt)		5.1	6.8	8.8	11.2
VI	IP 226	116	100	100	100
Pour Point (⁰ C)	IP 15	-6	-6	-6	-3
Flash Point: Closed (⁰ C)	IP 34	205	210	215	220
Performance Characteristics					
Foaming - Seq 1					
Demulsification (sec)	IP 146	20/nil	20/nil	50/nil	50/nil
(mins)	IP 19	900 max	900 max	900 max	900 max
Conformity to DIN 51506:	ASTM D1401	30 max	30 max	30 max	30 max
Pneurop Oxidation Test:					
Conradson Carbon residue		Pass	Pass	Pass	Pass
after ageing (%)	DIN 51352	2.5 max	2.5 max	3.0 max	2.5 max
	Part 2				
Conradson Carbon residue	DIN 51551	0.3 max	0.3 max	0.3 max	0.3 max
after distilling off 80% (%)					
Viscosity at 40 ⁰ C after distilling	DIN 51550	150 max	225 max	340 max	150 max
off 80% (cSt)					

The above figures are typical values and do not constitute a specification.

Manufacturers Recommendations

AIRCOL PD COMPRESSOR OILS meet the requirements of major compressor manufacturers including Atlas Copco, Champion, Sullair, Compair/Broomwade, Ingersoll-Rand, Kaeser and Bauer.

For specific approvals, contact your nearest Castrol branch and ask for Technical Services.

Health, Safety & Environment

AIRCOL PD SERIES oils do not pose any significant hazard to the user. As a matter of good work practice, skin contact should be minimised and avoid breathing mist or vapour.

For further information please refer to separate Material Safety Data Sheets available on request

Health, Safety and Environment

Spillage:

SMALL - 20 LITRES OR LESS

Soak up on Castrol Diatomaceous Earth or similar inert oil absorbent. Arrange for disposal through an approved facility.

LARGE - GREATER THAN 20 LITRES

Remove all sources of ignition. Increase ventilation.

Evacuate all unnecessary personnel. Wear full protective equipment and clothing to minimise exposure. If possible contain the spill. Place inert absorbent material such as vermiculite, sand or dirt onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Do not dilute material but contain. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

Disposal:

Dispose of waste according to federal, E.P.A., state and local regulations. Assure conformity with all applicable regulations.

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 Australia products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product.

29-Sep-03

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