

Product Description

Anglomoil RCO is a synthetic based, ashless high performance compressor fluid that has been developed specifically to meet the special needs of the rotary axial flow compressor. Its synthetic base and multifaceted chemistry gives improved performance and longer fluid life.

Product Features & Benefits

The oil in a compressor operates at high temperatures (in the vicinity of 100°C) for long periods. It must possess high resistance to oxidation.

Air always contains moisture. The oil must resist emulsification with the water.

Where high metal pressures are encountered, the oil must protect against scuffing and wear.

Anglomoil Rotary Compressor Oil has:

- Excellent thermal and oxidation stability to reduce oxidation and the formation of acids and sludge particularly at high temperatures that could result in costly system cleaning.
- Excellent rust protection giving cleaner oil, lasting longer, reducing wear and any filter blockages.
- Superior demulsibility reducing the possibility of corrosion or poor lubrication and having to replace system components.
- Good filterability
- Good hydrolytic stability
- Superior antifoam characteristics

Additional Information

Anglomoil Rotary Compressor Oil meets or exceeds the performance requirements for:

Hydraulic Performance	DIN 51524, part 2 and 3 (HLP, HVLP);	Hoesch HWN 2333
	AFNOR NF E 48-603 (HM, HV);	Thyssen TH N-256132
	SIS SS 155434	CETOP RP 91 H (HM, HV)
	Denison Filterability TP 02100	U.S. Steel 126, 127 and 136
	VDMA 24318	Sperry Vickers M-2950-S and I-286-S
Compressor Performance	DIN 51506 (VBL, VCL, VDL);	ISO/DP 6521 (DAA, DAB, DAH, DAG)

Typical

	ISO 46	ISO 68
Density @20°C	0.803	0.840
Viscosity @ 40°C	44.9	67.8
Viscosity @100°C	7.86	10.7
Viscosity Index	146	148

Anglomoil Superior Lubricants

Lubricants for Automotive - Industry - Food - Farm Machinery - Marine - Earthmovers - Road Transport

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Test method	Test results
Rotating bomb (ATSM-D 2272) Life time [min]	415
Air release properties / 50°C (DIN 51381 [min])	<1
Demulsification capacity / 54°C (ASTM-D 1401) Oil-water emulsion [ml] Separation time [min]	40-40-0 5
Copper corrosion (ASTM-D 130) 3h / 100°C 24h / 100°C 48h / 100°C 3h / 135°C	1a 1b 1b-2a 1b-2a
Corrosion test (steel) (ASTN-D 665) Procedure A (distilled water) Procedure B (synthetic sea water)	No corrosion No corrosion
Foaming behaviour (surface foam) (ASTM-892) Sequence 1 [ml / ml (sec)] Sequence 2 [ml / ml (sec)] Sequence 3 [ml / ml (sec)]	10/0 (5) 0/0 10/0 (5)
FZG test A 8.3/90 (visual) (DIN 51354, part 2) Damage-load stage	>12
VKA (four ball test) – AW properties (DIN 5130, part 3; ASTM-D 4172) Scar diameter [mm] 1500 rpm / 1h / 300N 1800 rpm / 1h / 200 N 1800 rpm / 1h / 400 N	 0.34 0.28 0.36
AFNOR-Filterability – wet procedure (AFNOR NF E 48-691) Pore size: 0,84m, ageing:0,2% H ₂ O/72h/70°C filtration index [IF]	1.1 (base oil 1.1)
Water separation ability after steam treatment (DIN 51589, part 1) Separation time [s]	95
Conradson carbon residue after ageing by passing air in the presence of Fe₂O₃ (DIN51352, part 2) Evaporation loss [%] Carbon residue after ageing [%]	6.7 0.21
Residue after distillation of 80 vol.-% (DIN 51356, DIN 51551) Conradson carbon residue [%] Viscosity 40°C before distillation [mm ² /s] Viscosity 40°C after distillation [mm ² /s]	 Under evaluation
Oxidation / corrosion test (FTM 5308.6, modified DIN 51394) 72h / 175°C / 5 l air per hour weight change of metal specimen [mg/cm ²]: Cu Steel Al Mg Cd Change in TAN [mg KOH/g] Change in viscosity 40°C [%] Change in viscosity 100°C [%]	 +0.05 +0.02 +0 +0.03 +0.02 -0.11 +2.2 +2.1
Seal compatibility (DIN 53521) SRE-NBR 1 / 7d /100°C Relative change in volume [%] Change in Shore A hardness	 +5.2 -1

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