



Energol RC-R

Premium Air Compressor Oil

Description; Description

These oils are formulated from highly refined mineral base oils, and incorporate additives that minimize oxidation, deposit-formation, foaming and filter-blocking .

Furthermore, they enhance load-carrying, and anti-wear properties and combat the effects of water-contamination and prevent corrosion.

Applications; Applications

Energol RC-R grades are ashless oils recommended for the lubrication of rotors, bearings and gears in rotary compressors, especially the oil-flooded screw type with delivery temperatures of up to 120 °C. Under these conditions it is important that the oil maintains its high lubrication performance. The grades in this range are suitable for both static and mobile systems, operating at ambient temperatures ranging from -25 °C to 50°C. Most rotary applications call for ISO 32 or ISO 46 grades and the higher-viscosities ISO 68 and 100 may be used satisfactorily in reciprocating compressors.

The Energol RC-R oils meet the requirements of the following standards:

ISO DP 6521 for mineral oils;
 - L-DAA and L-DAB for reciprocating air compressors
 -L-DAH and L -DAG for rotary air compressors
 DIN 51352 p. II (Pneurop Oxidation Test) and DIN 51506 VD-L

These oils are approved by:

-Atlas Copco -Sullair
 -Compair / Luchard -Crepelle
 - Burton Corblin -Consolidated Pneumatic Tool

Main Benefits; Main Benefits

-Low deposit-forming tendency
 -Prevention of oil-filter blockage in the presence of water.
 -Excellent anti-wear performance to extend service life of compressors.

-Rapid separation of oil/air in the air-coalescer for long air-filter life and lower oil-carryover.
 -Powerful water-separation and anti-corrosion characteristics to counter adverse effects of moisture contamination.

Storage; Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration
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of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.; of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

Health, Safety and Environment; Health, Safety and Environment

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products.; Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products.

BP Lubricants and Special Products Ltd. or its subsidiaries will not accept liability if the product is used other than in the manner or with the precautions or for the purpose/s specified. Before the product is used other than as directed, advice should be obtained from the local BP office.; BP Lubricants and Special Products Ltd. or its subsidiaries will not accept liability if the product is used other than in the manner or with the precautions or for the purpose/s specified. Before the product is used other than as directed, advice should be obtained from the local BP office.

Typical Characteristics; Typical Characteristics

	Test Methods; Test Methods	Units; Units	Grade :; Grade :	
			32	46
Density at 15 °C	ISO 3675, ASTM D1298	kg/m ³	875	879
Flash Point (PMC)	ISO 2795, ASTM D93	°C	196	202
(COC)	ISO 2592, ASTM D92	°C	206	213
Viscosity KV @ 40 °C	ISO 3105	mm ² /s	34	48
100 °C	ASTM D445		5.6	7.0
Viscosity Index	ISO 2909, ASTM D97	-	102	104
Pour Point	ISO 3016, ASTM D97	°C	-36	-33
Neutralisation value	ASTM D 974	mgKOH/g	0.15	0.15
Copper corrosion,3h/100 °C	ISO2160, ASTM D130-		1B	1B
Corrosion, rust protection	ISO 7210, ASTM D665A	-	pass	pass
Foam Tendency/Stability:	ASTM D892			
Sequence I : 24 °C		ml	<5/0	<5/0
Sequence II: 93.5 °C		ml	<10/0	<10/0
Sequence III: 24 °C after Sequence II		ml	<5/0	<5/0
Air release at 50 °C	ASTM D3427, IP 313	min	1.5	2.9
Demulse charact. at 54°C :	ISO 6614, ASTM D1401			
Oil		ml	41	40
Water		ml	39	40
Emulsion		ml	0	0
Time		min	5	15

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

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