

Regal[®] R&O

Demulsifying Circulating Oils



Product description

Regal[®] R&O 150 & 220 are high-quality demulsifying, circulating oils formulated to provide rapid oil-water separation, good oxidative stability, and rust/corrosion protection for applications typical of the steel industry.

Customer benefits and product features

Customer benefits

- Formulated for excellent demulsibility for rapid water separation to facilitate water removal
- Designed for exceptional oxidation and thermal stability for long service life at severe temperatures with minimal deposit formation
- Helps prevent foam issues thus reducing potential cavitation occurrence
- Offers outstanding rust and corrosion protection to help prevent components being damaged due to rust
- Engineered with an ashless, zinc-free formulation suited for applications with yellow metal components

Product features

- Regal R&O 150 & 220 grade are designed to meet all the requirements of MorgOil Advanced specifications for the steel industry. They are formulated to facilitate rapid separation of water for its removal while providing good bearing lubrication.

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Applications

- Recommended by Chevron for use as circulating oils in MorgOil type bearings of back-up and work rolls in steel mill applications.
- Suitable for cylinder lubrication of reciprocating compressors requiring R&O type of oil.
- Also suitable for use for applications requiring non-EP rust and oxidation (R&O) type of oils including general lubrication of reduction gears and bearings.

Product approvals, performance and recommendations

REGAL [®] R&O	ISO 150	ISO 220
SMS Group X-Roll Oil Bearing Advanced Lubricant Specification SN 180-4 April 2016 (MorgOil Advanced Lubricant Specification)	Meets Requirements	Meets Requirements
ANSI/AGMA 9005-F-16-RO	Meets Requirements	Meets Requirements
DIN 51517/2 CL	Meets Requirements	Meets Requirements

Typical test data

REGAL® R&O	TEST METHOD	RESULTS	
ISO Grade		150	220
Product Code		540010	540011
Density @ 15°C, Kg/L	-	0.882	0.889
Flash Point, °C	ASTM D92	284	294
Foam Properties, (Tendency/Stability), mL			
Sequence I	ASTM D892	10/0	10/0
Sequence II	ASTM D892	10/0	10/0
Sequence III	ASTM D892	10/0	10/0
Pour Point, °C	ASTM D5950	-15	-12
Kinematic Viscosity,			
cSt @ 40°C	ASTM D445	150.1	220
cSt @ 100°C	ASTM D445	15.32	19.49
Copper Corrosion, 3 hr at 100°C	ASTM D130	1a	1a
Water Separability at 82°C, Time to <3mL Emulsion (min)	ASTM D1401	<20	<20
Viscosity Index	ASTM D2270	103	100

ENVIRONMENT, HEALTH, and SAFETY. Information is available on this product in the Safety Data Sheet (SDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions, and comply with laws and regulations concerning product use and disposal. To obtain an SDS for this product, visit the Product Information Center.

This Product Data Sheet (PDS) was produced for the Africa, Middle East and Pakistan region in good faith from the best information available at the time of issue. The specific information included may not directly reflect the local market or conditions. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. For the most up-to-date, country-specific information, please contact your local customer service center.

Customers should always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

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