Regal® R&O

Description

Regal® R&O is a premium-quality rust- and oxidation-inhibited turbine oil. Regal R&O is manufactured from highly refined paraffinic base oils. It contains oxidation, corrosion, and foam inhibitors. The oil has excellent water separating properties, high oxidation stability, excellent anti-corrosion properties, and low carbon forming tendency.

Typical Characteristics

ISO Viscosity Grade	32	46	68
Code	**040700**	**040701**	**040702**
Density at 15°C, kg/l	0.86	0.87	0.86
Flash point, COC, °C	220	235	250
Oxidation characteristics (ASTM D 943)			
hours to TAN = 2.0 mg KOH/g	3,000+	3,000+	3,000+
Pour point, °C	–15	–15	–15
Rust test, synthetic seawater	Pass	Pass	Pass
Viscosity, kinematic, mm²/s (cSt)			
at 40°C	32	46	68
at 100°C	5.5	7.0	9.1
Viscosity index	110	110	110

Recommended Uses

Regal R&O is recommended primarily for use in marine turbines of all types. These include steam, hydraulic and gas turbines. Regal R&O also provides excellent performance in hydraulic machinery, circulating oil systems, and all applications where a high-quality, stable lubricant with good water-separating characteristics is required. It meets the requirements of DIN 51515/T1-L-TD, BS 489, ISO 8068 (type AR and B), and ISO 6743/5 (L-TSA, L-TSE, L-TGA). Regal R&O 68 is approved by ABB for VTR..4 turbochargers.

Performance Benefits

1. Oxidation Stability

Assures long service life free from deposits, sludge, and acidic oxidation products, thus avoiding sticking valves, and ensuring good bearing protection.

2. Rust Protection

Protects against corrosion or rusting of costly precision parts.

3. Water Separation

Assures speedy removal of contaminating water from leaks and condensation.

4. Foam Inhibited

With an effective surface-foam suppressant, resists foaming, and thus ensures smooth functioning of governors and minimizes the risk of sump overflow.

5. Air Release Properties

A balanced combination of inhibitors prevents airlocking of oil circulating pumps due to entrained air. This ensures smooth and trouble-free operation of lubricating oil systems.