



## TURBINE OILS

## Regal® R&amp;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
<b>Code</b>	<b>040700</b>	<b>040701</b>	<b>040702</b>
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 mgKOH/g	3,000+	3,000+	3,000+
Pour point, °C	-15	-15	-15
Rust test, synthetic seawater	Pass	Pass	Pass
Viscosity, kinematic, mm <sup>2</sup> /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.