



TURBINE OILS

Regal® EP

**Description**

Regal EP is a rust- and oxidation-inhibited turbine oil with extreme pressure characteristics. Regal EP is manufactured from highly refined paraffinic base oils. It contains oxidation, corrosion, and foam inhibitors, as well as an ashless antiwear additive. The oil has excellent antiwear, anticorrosion, and water-separating properties, a high oxidation stability, and low carbon-forming tendencies.

Typical Characteristics

ISO Viscosity Grade	100
Code	043133
Density at 15°C, kg/l	0.88
Flash point, COC, °C	250
FZG test (A/8.3/90), failure load stage	10
Oxidation characteristics (ASTM D 943) hours to TAN = 2.0 mgKOH/g	2,000
Pour point, °C	-18
Rust test, synthetic seawater	Passed
Viscosity, kinematic, mm ² /s (cSt) at 40°C	100
at 100°C	11.1
Viscosity index	96

Recommended Uses

Regal EP is recommended for use in marine turbines of all types. These include steam, hydraulic and gas turbines. It is particularly recommended for modern turbo sets where turbine oil is used for gearbox lubrication. Regal EP also provides excellent performance in hydraulic machinery, circulating oil systems, and all applications where a stable lubricant with good water-separating characteristics is required. Regal EP meets the requirements of DIN 51515/T1-L-TD, BS 489, and ISO 6743/5 (L-TSA, L-TSE, L-TGA).

Performance Benefits**1. Oxidation Stability**

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

2. Rust Protection

Protects against corrosion or rusting of precision parts.

3. Water Separation

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.