

Cirro 20K Turbine Oil **R&O Turbine Oil Extended Service**



PRODUCT DESCRIPTION:

Cirro 20K Turbine Oil is a superior quality rust and oxidation inhibited turbine oil designed for use in both steam and gas turbines. The ASTM D-943 TOST result of 20,000 hours enables it to be used in applications which require very long life where other turbine oils fail. It is recommended for use in steam and gas turbines, including the General Electric Frame 7 units, as well as many pumps, compressors, oil circulating systems, centralized oil mist systems and other applications requiring a supreme quality, long life turbine oil.

KEY FEATURES:

- Versatile - Can be used in multiple applications requiring a superior quality non-EP (zinc free) oil with excellent oxidation resistance

CUSTOMER BENEFITS:

- Extended Drain - Outstanding oxidation resistance enables extended oil drain intervals, with significantly reduced sludge, varnish and carbon deposits on exhaust valves and other compressor components, considerably reducing the necessity for valve cleaning and other maintenance.

APPLICATIONS:

Cirro 20K Turbine Oil meets or exceeds most pump manufacturer's specifications and may be used as a premium hydraulic fluid, compressor oil, and other applications as recommended where superior performance of an R&O type fluid may be needed. These high performance circulating lubricants are designed for applications where long lubricant service life is required. Specific applications include:

- Land-based and marine steam turbine, hydro turbine and some gas turbine circulation systems, including pumps, valves and other ancillary equipment
- Continuous service in plain and roller bearings and parallel shaft gearing
- Turbines with oil supplied by splash, bath, ring oiling or other mechanical means
- Moderate severity hydraulic pumps
- Compressors and vacuum pumps handling air, natural gas, and inert gases, and with discharge temperatures not exceeding 150 degrees C.

PACKAGING:

Totes, Drums and Pails

PRODUCT DATA SHEET

Cirro 20K Turbine Oil R&O Turbine Oil Extended Service



Typical Properties

Cirro 20K Turbine Oil					
Product Number	302	303	304	309	Test Method
API	33.06	32.06	31.18	30.38	
Specific Gravity	0.85987	0.86513	0.86983	0.87409	ASTM 4052
Lbs/Gal	7.161	7.205	7.244	7.279	
Density	0.85939	0.86464	0.86934	0.8736	
Flash Point °C	205	216	226	235	ASTM D92
Pour Point °C	-27	-24	-24	-21	ASTM D97
Color	<1.0	<1.0	<1.0	<1.0	ASTM D1500
Viscosity@100°C cSt	5.56	7.147	9.102	11.5	ASTM D445
Viscosity@40°C cSt	32.36	47.93	70.44	102.9	ASTM D445
Viscosity Index (VI)	109	108	104	98	ASTM D2270

Typical Properties are typical of those obtained with normal production tolerance and do not constitute essentially a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice..

Health and Safety:

When used for its intended application, this product is not expected to have any adverse health implications. For complete information on safe handling, as well as physical and chemical characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website, www.royalmfg.com, or call 918-584-2671. Do not use this product for purposes other than its intended use. Please be responsible to the environment when disposing of used product.