

PRODUCT DATA SHEET

CIRRO R&O Oils

Product Code 240-248



PRODUCT DESCRIPTION:

CIRRO R&O OILS are superior quality rust and oxidation (R&O) inhibited oils providing excellent performance in hydraulic systems, compressors applications including steam and hydro turbine sets and other systems where long lubricant service life is required and other applications where a high quality R&O type oil is required. Their superior oxidation resistance enables extended oil drain intervals, with significantly reduced sludge, varnish and carbon deposits on internal parts, pumps, exhaust valves and other compressor components. **CIRRO R&O OILS** considerably reduce the necessity of cleaning and other maintenance, provide protection against wear, as well as increase productivity and provide excellent filtration characteristics. They are also recommended for use in other applications which require a long life premium quality fluid such as in turbines, pumps, machine tools, gear drives calling for a non-EP (zinc free) oil, circulating oil systems, oil mist systems, etc.

KEY FEATURES:

- Superior additive package with excellent protection.
- High performance additive system with anti-oxidant, anti-foam agents, rust and corrosion inhibitors.
- Excellent protection against wear with high base oil and additive performance.
- High resistance to foaming and excellent air release.

CUSTOMER BENEFITS:

- Exceeds performance requirements for manufacturers' pump and compressor specifications, provides longer life and performance.
- Provides superior protection against varnishing, rust, and excessive wear while extending equipment life and lowering maintenance costs.
- Less maintenance and longer life of equipment and repair costs.
- Prevents pump cavitation, noisy and erratic operation providing more efficient operation.

APPLICATION:

CIRRO R&O Oils 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: Available in Bulk, Totes, Drums, and Pails

SPECIFICATIONS AND APPROVALS:

CIRRO R&O Oils meet or exceed pump and compressor manufacturer’s specifications requiring a superior performing product.

Typical Data For: CIRRO R&O OILS

TYPICAL ANALYSIS									
ISO GRADE	22	32	46	68	100	150	220	320	460
PRODUCT NO.	240	241	242	243	244	245	246	247	248
Viscosity @ 40C, cSt	22	31	45	66	101	150	220	320	460
Viscosity @ 100C, cSt	4.1	5.2	6.6	8.4	10.8	14.5	18.6	23.8	30.1
Viscosity @ 100F, SUS	112	160	240	342	512	798	1165	1705	2469
Viscosity @ 210F, SUS	40	44	48	55	63	78	95	118	147
Viscosity Index	97	97	97	97	95	95	95	95	91
Flash Point, F	380	400	425	445	470	495	505	520	550
Pour Point, F	-33	-27	-22	-22	-11	0	5	10	12
Color ASTM	1.5	1.5	2.0	2.0	3.0	4.5	4.5	5.0	5.5
TOST Hours	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000

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 environmentally responsible when disposing of used product.