

# CIRRO OILS

## ASHLESS R&O CIRCULATING OILS

### Description

Cirro R&O Oils are the highest quality rust and oxidation inhibited oils found in hydraulic systems, compressors, hydro turbines, and other systems requiring excellent thermal stability and/or long lubricant service life. Their exceptional oxidation resistance reduces varnish, carbon deposits, and sludge on internal parts.

These superior oils reduce cleaning, protect against wear, and have excellent filtration characteristics. They are recommended for applications which require an ashless long life premium quality fluid.

### Usage

- Land-based and marine steam turbines
- Hydro turbines
- Continuous service roller bearings
- Parallel shaft gearing
- Moderate to severe hydraulic pumps
- Compressors and vacuum pumps handling air, natural gas, and inert gases with discharge temperatures not exceeding 150°C

Product Name	Cirro 22	Cirro 32	Cirro 46	Cirro 68	Cirro 100	Cirro 150	Cirro 220	Cirro 320	Cirro 460
ISO Grade	22	32	46	68	100	150	220	320	460
Viscosity @ 40°C, cSt	22	31	45	66	101	150	220	320	460
Viscosity @ 100°C, cSt	4.1	5.2	6.6	8.4	10.8	14.5	18.6	23.8	30.1
Viscosity @ 100°F, SUS	112	160	240	342	512	798	1165	1705	2469
Viscosity @ 210°F, 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	399	424	445	470	495	505	520	550
Pour Point, °F	-33	-27	-22	-22	-11	0	5	10	12
Gravity, API	33.7	32.6	31.8	30.9	29.6	28.5	28.0	26.9	25.9
TOST Hours	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000

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