



Cirro R & O Compressor Oil

R&O Compressor Oils

Cirro R&O Oils are compounded from carefully selected base stocks and are fortified with premium oxidation and rust inhibitors as well as antifoam agents. These protect against high temperatures, rust, water and air.

Cirro R&O Oils are proven performers in hydraulic systems and circulating systems as well as other industrial applications. These oils meet major manufacturers' requirements for application in circulation oil-film back-up roll bearing systems and other high loading gear applications requiring non-EP (zinc free) oils.

Cirro R&O Oils have provided excellent performance when used for oil-film back-up roll bearings in hot and cold mills, high speed rod mills, and reduction gears and bearings. Excellent results have also been obtained in Morgan No-Twist rod mills using Grade 100.

Product Features:

- Rust and heat stability through use of high VI base stocks and selected additives.
- Oxidation protection for extended pump life in various pressure-circulating systems.
- Anti-wipe properties for protection in journal-to-bearing contact during mill start-up and reversal.

Customer Benefits:

- Excellent demulsibility to provide rapid water separation.
- Superior rust and oxidation protection for long life and reduced maintenance.
- Foam inhibiting additives to assure smooth and efficient machine operations.

Applications:

- This lubricant is recommended whenever AGMA 250.04 specifications are required. It is formulated to be used in industrial enclosed bearings, industrial mining and mills.



Typical Properties

Cirro R & O Compressor Oil

Product Number	240	241	242	243	244	Test Method
ISO Grade	22	32	46	68	100	-
API	33.1	32	30.8	30.1	29.8	-
AGMS Grade	N/A	0	1	2	3	-
Specific Gravity	0.86	0.87	0.87	0.92	0.97	-
Lbs/Gal	7.16	7.2	7.3	7.7	8.0	-
Flash Point, °C	230	235	230	250	270	ASTM D92
Pour Point, °C	-20	-20	-20	-20	-18	ASTM D97
Color	L1.0	L1.0	L1.0	L2.0	L2.0	ASTM D1500
Viscosity@100°C, cSt	4.2	5.3	6.6	8.7	11	ASTM D7042
Viscosity@40°C, cSt	22	31.8	45.4	68.9	98.3	ASTM D445
Viscosity Index (VI)	88	97	95	97	96	-

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Product Number	245	246	247	248	Test Method
ISO Grade	150	220	320	460	-
API	29.1	28.7	27.9	25	-
AGMA Grade	4	5	6	7	-
Specific Gravity	0.88	0.88	0.89	0.9	-
Lbs/Gal	7.3	7.35	7.39	7.5	-
Flash Point, °C	280	290	300	290	ASTM D92
Pour Point, °C	-18	-20	-18	-15	ASTM D97
Color	L4.4	L4.0	L4.0	L4.0	ASTM D1500
Viscosity@100°C, cSt	14.4	18.6	23	28.2	ASTM D7042
Viscosity@40°C, cSt	143.5	216	305	462	ASTM D445
Viscosity Index (VI)	98	94	94	85	-

These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information above is subject to change without notice.

Health and Safety:

This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product characteristics please refer to the Safety Data Sheet (SDS) found on our website. www.royalmfg.com or call (918)-584-2671.