



Cirro R&O (AGMA)

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.



Product Data Sheet



Typical Properties

Cirro R&O Oils

Product Number	242	243	244	245	246	247	Test Method
ISO Grade	46	68	100	150	220	320	-
AGMA Grade	1	2	3	4	5	6	-
API Gravity	31.0	30.9	29.6	28.5	28.0	26.9	ASTM 4052
Viscosity@40°C, cSt	45.5	68.3	99.9	150.5	218.8	318.9	ASTM D445
Viscosity@100°C, cSt	6.6	8.7	11.2	14.8	18.9	24.3	ASTM 7042
Viscosity@100°F, SUS	240	342	512	798	1165	1705	ASTM D2161
Viscosity @ 210°F, SUS	48	55	63	78	95	118	ASTM D2161
Viscosity Index	97	97	95	95	95	95	-
Pour Point °C	-21	-21	-21	-18	-12	-9	ASTM D97
Flash Point, C	221	230	236	250	264	278	ASTM D92
Color ASTM	2.0	2.0	3.0	4.5	4.5	5.0	ASTM D1500
TOST Hours	6000	6000	3000	3000	3000	3000	-

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.

Packaging Options:



55 Gal. Drums



275/330 Gal. Totes



>2,000 Gal. Bulk

