

CIRKAN RO



LUBRICATION



TOTAL

R and O Type Machine Oil.

APPLICATIONS

R&O oils for all types of moving parts.

- **CIRKAN RO** oils are mineral oil based, premium circulating oils that contain additives with appropriate viscosities for lubricating moving parts operating under severe temperature conditions.
- Uses include: fluid grades for systems operating at high speed: textile machinery, machine tools, hydraulic circuits operating at less than 1,000 psi, heat transfer systems, and steam turbines requiring a category HL oil. More viscous grades are for the lubrication of plain and rolling contact bearings and gears not requiring anti-wear or extreme pressure properties.

SPECIFICATIONS

- ISO 6743/4 CATEGORY HL
- ISO 11158 CATEGORY HL
- DIN 51524 PART 1
- ISO 6743/6 CATEGORY CKB
- AFNOR NFE 48602 CATEGORY HL
- AFNOR NFE 60200 CATEGORY CB and HL
- DENISON HF-2

ADVANTAGES

- High natural viscosity index.
- Good compatibility with elastomers and seals.
- Excellent demulsification properties.
- Excellent anti-foaming, anti-corrosion, and anti-oxidation properties.

TYPICAL CHARACTERISTICS	CIRKAN RO											
	5	7	10	22	32	46	68	100	150	220	320	460
Viscosity at 40°C, cSt	5.0	7.0	10.0	22.0	32.0	46.0	68.0	100.0	150.0	220.0	320.0	460.0
Viscosity at 100°C, cSt	1.6	1.8	2.7	4.3	5.4	6.8	8.7	11.6	14.4	18.4	23.3	28.9
Viscosity Index	> 95	> 95	> 95	> 95	> 95	> 95	> 95	> 95	> 95	> 95	> 95	> 95
Density @ 60°F, lbs./gal.	6.87	7.21	7.14	7.20	7.25	7.28	7.30	7.35	7.38	7.42	7.45	7.44
Specific Gravity @ 60/60°F	0.823	0.864	0.855	0.863	0.868	0.872	0.874	0.880	0.884	0.889	0.893	0.891
Pour Point, °F	-10	-10	-10	0	0	5	5	5	5	10	10	15
Flash Point, COC, °F	280	280	330	390	405	415	420	430	440	475	515	570
Copper Strip Corrosion	1B	1B	1B	1B	1B	1B	1B	1B	1B	1B	1B	1B

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This lubricant must be applied as recommended and used for the application for which it was designed. TOTAL Specialties USA, Inc. will have no responsibility for any injury to persons or property resulting from misuse or misapplication of the lubricant. A safety data sheet conforming to the OSHA Hazard Communication Standard 29 CFR Section 1910.1200 can be downloaded at www.totalspecialties.com. Copyright 2016 All rights reserved.