

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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