

# Cirkan RO

## Machine oils with excellent Anti-Rust and Anti-Oxidation

### APPLICATIONS

- Cirkan RO oils are mineral oils containing additives with appropriate viscosities for lubricating moving parts operating under severe temperature conditions:

- fluid grades: systems operating at high speed: textile machinery, machine tools, and hydraulic circuits requiring a category HL oil.

- viscous grades: lubrication of bearings and gears not requiring anti-wear and extreme-pressure properties.

### ADVANTAGES

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

### SPECIFICATIONS

- ISO 6743/4 Category HL
- ISO 6743/6 Category CKB
- ISO 11158 Category HL
- ISO 12925-1 Category CKB

### TYPICAL CHARACTERISTICS

Properties	Units	Standards	Cirkan RO							
			32	46	68	100	150	220	320	460
Density at 20°C	kg/m <sup>3</sup>	ISO 3675	876	881	887	891	895	897	899	903
Viscosity at 40°C	mm <sup>2</sup> /s	ISO 3104	32.3	46.3	67.7	100	150	212.7	310.9	429.5
Viscosity at 100°C	mm <sup>2</sup> /s	ISO 3104	5.44	6.81	8.75	11.6	14.44	18.36	23.3	28.93
Viscosity index	-	ISO 2909	102	101	101	94	94	95	94	94
Flash point OC	-	ISO 2592	228	234	250	266	288	276	290	312
Pour point	°C	ISO 3016	-30	-27	-21	-18	-18	-15	-9	-9

For additional information, contact your local Totalenergies Lubricants representative or visit our web site: <https://lubricants.totalenergies.com>

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or downloaded from <https://sdstotalms.total.com>