

# CIRKAN RO



Lubrication



R and O type machine oils.

## APPLICATIONS

Oils of type R&O for moving parts

- 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.

## SPECIFICATIONS

International specifications

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

Manufacturers

## ADVANTAGES

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

TYPICAL CHARACTERISTICS	METHODS	UNITS	CIRKAN RO							
			32	46	68	100	150	220	320	460
Density at 15 °C	ISO 3675	kg/m <sup>3</sup>	876	881	887	891	895	897	899	903
Viscosity at 40 °C	ISO 3104	mm <sup>2</sup> /s	32.30	46.30	67.70	100	150	212.70	310.90	429.50
Viscosity at 100 °C	ISO 3104	mm <sup>2</sup> /s	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
Open cup flash point	ISO 2592	°C	228	234	250	266	288	276	290	312
Pour point	ISO 3016	°C	- 30	- 27	- 21	- 18	- 18	- 15	- 9	- 9

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS  
INDUSTRIE

06-05-2019 (supersedes 22-11-2004)

CIRKAN RO

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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 down loaded from [www.quick-fds.com](http://www.quick-fds.com).