



## CPC Circulation Oil R

- CPC Circulation Oils R are high quality lubricants. The oils are manufactured from highly refined paraffin base oil and formulated with anti-rust, anti-oxidation, and anti-foaming additives. The oils can provide strong oil films and enhanced performance of anti-rust, anti-oxidation and foaming suppression.
- These oils possess excellent stability and thus are widely used in the following mechanical lubrication:
  - A. Low viscosity oils (R32, R46, R68)
    - (1) Air Compressors: R32 and R46 are applied to the air compressor of which the design of cylinder and piston is more accurate. R68 is applied to the vertical or horizontal single-cylinder air compressor.
    - (2) These oils are also widely applied to the high speed of the circulating oil to bearings, gears, hydraulic systems, motors, etc.
    - (3) R32 is also widely applied to spindle collars of a textile factory.
  - B. R78EP
    - (1) The oil is mainly used for the lubrication in bearings of giant geared steam turbine and reduction gears for vessels.
    - (2) The oil meets US Military Specification MIL-L-17331H (SH) Lubricating Oil, generally referred to as Navy Symbol Oil 2190-TPE, and NATO O-250.
  - C. High viscosity oils (R100 and higher viscosity oils)

This kind of oils are recommended for the lubrication in turbines with oil ring, giant air compressors, giant low-speed diesel engines, enclosed gears, high loading or high temperature of the bearings, hydraulic systems, etc.
- Packages:
  - (1) in bulk (for R68 and R100)
  - (2) 200 liter drum
  - (3) 19 liter pail (for R32, R68, R100 and R150)
  - (4) 18 liter pail (for R32)
  - (5) 4 liter bottle, 4 liter\*4 case (for R32 and R68)
- The typical data are listed as next page:



Grade No.	R32	R46	R68
Viscosity Grade, ISO VG	32	46	68
Sp. Gr., 15.6°C/15.6°C ,D4052	0.864	0.875	0.878
Viscosity, Kin., cSt @40°C ,D445	31.62	46.18	67.18
@ 100°C ,D445	5.44	6.90	8.70
Viscosity Index, D2270	107	105	101
Pour Point, °C ,D6749	-12	-12	-12
Flash Point, COC, °C ,D92	236	250	264
Color, D1500	L 0.5	L1.0	L1.0
Acid Number, mg KOH/g, D664	0.17	0.17	0.17
Carbon Residue, Rams., %, D524	0.06	0.07	0.08
Water Separability , 54°C , 40-40-0, min,D1401	10	15	10
Product No.	LA60341	LA60342	LA60343

Grade No.	R100	R150
Viscosity Grade, ISO VG	100	150
Sp. Gr., 15.6°C/15.6°C ,D4052	0.886	0.882
Viscosity, Kin., cSt @40°C ,D445	96.79	148.7
@ 100°C ,D445	10.94	14.93
Viscosity Index, D2270	97	100
Pour Point, °C ,D6749	-12	-15
Flash Point, COC, °C ,D92	268	278
Color, D1500	L1.5	L2.0
Acid Number, mg KOH/g, D664	0.18	0.19
Carbon Residue, Rams., %, D524	0.12	0.17
Water Separability , 82°C , 40-40-0, min,D1401	20	15
Product No.	LA60390	LA60393

Note: Typical properties are based on standard tests under laboratory conditions. Variations that do not affect product performance are to be expected during normal manufacture. Please consult your local CPC representative if you have any questions.



Grade No.	R78EP
Sp. Gr., 15.6°C/15.6°C,D4052	0.882
Viscosity, Kin., cSt @40°C,D445	79.9
@100°C,D445	9.65
Viscosity Index, D2270	96
Pour Point, °C,D6749	-12
Flash Point, COC, °C,D92	258
Color, D1500	L1.0
Copper Corrosion, 100°C, 3hrs, D130	1a
Acid Number, mg KOH/g, D664	0.21
Rust-Preventive, D665B	Pass
Carbon Residue, Rams., %, D524	0.07
Water Separability , 82°C, 40-40-0, min,D1401	15
Product No.	LA60346

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