



CIRCULATING OIL R&O

HL

Magic Plus Circulating Oil R&O is a rust and oxidation inhibited, circulating oil developed for use in circulation systems, centrifugal air geared turbines, lightly loaded enclosed gear drives and many other industrial applications. It helps provide long lubricant life provided by excellent thermal and oxidation stability. Formulated with an ashless, zinc-free formulation. It ensures robust rust protection of metal surfaces due to the use of an effective rust and corrosion inhibitor. It helps ensure good lubricant film strength and minimal wear through quick water separation.

Features & Benefits:

- Rust & corrosion protection
- Excellent oxidation stability
- Excellent demulsibility
- Low carbon-forming tendency for use in centrifugal air compressors
- Excellent foam resistance

Applications:

Suitable for tools and other pneumatic equipment lubricated through air line lubricators, centrifugal air compressors, steam turbines and hydroelectric turbines, both direct-drive and with gear drives. Also suitable for lightly loaded enclosed industrial gear drives where the OEM specifies a R&O type oil, lightly loaded plain and rolling-element bearings, such as those in electric motors and blowers, vacuum pumps, deep-well water pumps and machine tools. General-purpose machinery and shop lubrication.

Specifications, Approvals & Recommendations: (Meets / Exceeds)

- DIN 51517-2 (HL)
- DIN 51524-1
- BS 489
- ASTM D4304 TYPE 1
- GEK 101941A, GEK 46506E
- GEK 27070, GEK 28143A
- MIL-L-17672D
- US STEEL 126

Technical Data:

Parameters	ASTM	Unit	Typical Results					
			32	46	68	100	150	220
ISO VG Grade			32	46	68	100	150	220
Viscosity @ 104 °F / 40 °C	D-7042	cSt	32	46	68	100	150	220
Copper Stripe Corrosion, 3 h @ 100 °C	D-130	°C	1A	1A	1A	1A	1A	1A
Viscosity Index	D-2270		90	90	90	90	90	90
Density @ 60 °F / 15 °C	D-4052	g/cm ³	0.885	0.887	0.888	0.890	0.895	0.898
Flash Point (min)	D-92	°C	210	220	230	240	250	260
Pour Point (min)	D-97	°C	-18	-18	-18	-18	-15	-12

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil into drains or the environment. Dispose to an authorized used oil collection point. This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. For further Information on Safety Guidelines please refer to MSDS available on our website magicplusoil.net

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