



HYDROL R&O

PRODUCT DESCRIPTION:

HYDROL R&O is a rust and oxidation (R&O) inhibited circulating oil, specifically developed for use in circulation systems, centrifugal air compressors, geared turbines, lightly loaded enclosed gear drives, and various other industrial applications.

APPLICATION:

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.

FEATURES & BENEFITS:

- Good oxidation resistance to minimize sludge and varnish formation
- Mild wear protection
- Protects against rust and corrosion
- Excellent water-separating properties
- Low carbon-forming tendency for use in centrifugal air compressors
- Good foam resistance

PERFORMANCE LEVELS: Meets or Exceeds Performance requirements of:

- 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

TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	HYDROL R&O						
			32	46	68	100	150	220	
Grade			32	46	68	100	150	220	
Kinematic Viscosity @ 104°F /40°C	ASTM D7042	cSt	32	46	68	100	150	220	
Viscosity Index	ASTM D2270	-	90	90	90	90	90	90	
Density@15°C/ 60°F	ASTM D4052	g/cm ³	TBR	TBR	TBR	TBR	TBR	TBR	
Flash Point (min)	ASTM D92	°C	210	220	230	240	250	260	
Pour Point (max)	ASTM D97	°C	-18	-18	-18	-18	-15	-12	
Copper Strip Corrosion, 3 h @ 100 °C	ASTM D130	°C	1A	1A	1A	1A	1A	1A	

DISCLAIMER: The test data provided above is for reference purposes and is not a strict specification, as variations within acceptable production tolerances may occur. Phoenix reserves the right to update or revise this test data. For the most accurate and up-to-date information, please consult the latest version of this Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website Phoenixlubricants.com