



HYDROL R&O

PRODUCT DESCRIPTION:

HYDROL R&O is a premium rust and oxidation (R&O) inhibited circulating oil designed for use in a wide range of industrial applications. It is suitable for circulation systems, centrifugal air compressors, geared turbines, lightly loaded enclosed gear drives, and other equipment requiring effective protection against rust and oxidation.

APPLICATION:

Suitable for tools and other pneumatic equipment lubricated through air line lubricators, centrifugal air compressors, steam turbines and hydroelectric turbines, both direct-TRAX 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					
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 presented above is indicative and not a strict specification, as it may vary within acceptable production tolerances. Internal reserves the right to update or modify this test data. For the most accurate and current information, please refer to the latest version of this Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:

Continuous or repeated exposure to oil may lead to skin problems. Avoid contact with the oil. In case of contact, wash thoroughly with soap and water. Do not dispose of used oil in drains or the environment. Dispose of it at an authorized used oil collection point. For additional safety information, please refer to the MSDS available on our website at www.internal.net.

PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.