



## HYDOL HL R&O

### PRODUCT DESCRIPTION:

Hydol HL R&O is rust and oxidation-inhibited circulating oil designed for use in a variety of industrial applications. The excellent thermal and oxidative stability helps to reduce the formation of sludge and other harmful oxidation products. It has good air release characteristics to minimize cavitation and associated damage to circulating pumps.

### 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 and 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	HYDOL HL R&O					
			32	46	68	100	150	220
ISO VG			32	46	68	100	150	220
Kinematic Viscosity @ 104°F /40°C	ASTM D-7042	cSt	TBR	TBR	TBR	TBR	TBR	TBR
Viscosity Index	ASTM D-2270	-	90	90	90	90	90	90
Density @15°C/ 60°F	ASTM D-4052	g/cm3	TBR	TBR	TBR	TBR	TBR	TBR
Flash Point (min)	ASTM D-92	°C	210	220	230	240	250	260
Pour Point (max)	ASTM D-97	°C	-18	-18	-18	-18	-15	-12
Copper Strip Corrosion, 3 h @ 100° C	ASTM D-130	°C	1A	1A	1A	1A	1A	1A

### DISCLAIMER:

The test data mentioned above is not a definitive specification but serves as an indication and may fluctuate within acceptable production tolerances. Venom retains the right to alter this test data. Any updated information will replace previous versions, so please consult the latest Technical Data Sheet (TDS).

### HEALTH & SAFETY, ENVIRONMENT:

Extended and repeated exposure to oil can lead to skin conditions. Please avoid contact. If you do come into contact with oil, wash the affected area immediately with soap and water. Do not dispose of used oil down drains or into the environment; instead, take it to an authorized used oil collection point.

### HEALTH & SAFETY:

This product is unlikely to pose significant health or safety risks when used properly in the recommended application and with good personal hygiene practices. For more information, please refer to the Safety Data Sheet (SDS), which is available upon request from your local sales office.

### PROTECT THE ENVIRONMENT:

Please take used oil to an authorized collection point and adhere to local regulations. Do not discharge it into drains, soil, or water.

### STORAGE:

We recommend storing all packages in a covered area. If outdoor storage is necessary, drums should be positioned horizontally to prevent water ingress and protect the markings. Products should never be stored above 60°C or exposed to direct sunlight or freezing temperatures.