



## HYDRON R&O

### PRODUCT DESCRIPTION:

HYDRON R&O is a rust and oxidation (R&O) inhibited, circulating oil developed for use in circulation systems, centrifugal air compressors, geared turbines, lightly loaded enclosed gear drives and many 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	HYDRON 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 (min)	ASTM D2270	-	90	90	90	90	90	90
Density @ 15°C/ 60°F	ASTM D4052	g/cm <sup>3</sup>	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 is not a final specification; rather, it serves as a guideline and may vary within acceptable production tolerances. Bravoil reserves the right to modify this test data. Any updates will supersede previous versions, so please refer to the most recent 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 [www.bravoil.ae](http://www.bravoil.ae)

### HEALTH & SAFETY:

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. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet [www.bravoil.ae](http://www.bravoil.ae)

### PROTECT THE ENVIRONMENT:

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

### STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.