



TORK R&O HL

MINERAL

PRODUCT DESCRIPTION:

Torque R&O HL is a 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 HL 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:

- 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	TORQUE R&O HL						
			32	37	46	68	100	150	220
Grade			32	37	46	68	100	150	220
Kinematic Viscosity @ 104°F /40°C	ASTM D-7042	cSt	32	37	46	68	100	150	220
Viscosity Index	ASTM D-2270	-	90	5.86	90	90	90	90	90
SP. Gravity @15°C/ 60°F	ASTM D-4052	g/cm ³	0.885	98	0.887	0.888	0.89	0.895	0.898
Flash Point (min)	ASTM D-92	°C	210	0.881	220	230	240	250	260
Pour Point (max)	ASTM D-97	°C	-18	220	-18	-18	-18	-15	-12
Copper Strip Corrosion, 3 h @ 100° C	ASTM D-130	°C	1A	-24	1A	1A	1A	1A	1A

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 runol.net

