

## Rock Drill Oil

### ISO VG 68, 100, 150 & 220

#### Description

Nemco Rock Drill Oil is made from a combination of straight paraffin oils and special additives and is formulated to lubricate and cool the mechanisms of air operated rock drills and other pneumatic equipment. These oils are available in four viscosity grades – ISO Viscosity Grade 68, 100, 150 and 220, allowing for selection of the proper viscosity grade for the intended application. These extreme pressure (EP) products exhibit high film strength to minimize wear at low feed rates. They are ideal for use in equipment running in demanding conditions with high air flow rates, heavy loads, and high piston temperatures. The high viscosity indexes allow more uniform rates by airline oilers, aiding in reduced consumption. This also ensures good low-temperature fluidity while providing adequate oil films on drill parts that may operate at higher temperatures.

Nemco Rock Drill Oils contain additives that effectively control emulsions and provide good preferential metal-wetting properties. These characteristics are necessary for proper lubrication if significant quantities of water are introduced with the compressed air, or by flushing water leakage. Rock Drill Oils will provide successful performance in the lubrication of water plunger pumps.

#### Recommended for

- AGMA 9005-F16
- AGMA 250.04 EP
- AIST 224
- DAVID BROWN S1.53.101
- DIN 51517 Part 3
- GB9503-2011 CKC
- ISO 12925-1 CKC, CKD
- JIS K 2219:2006 Class II

#### Applications

- Pneumatic rock drills; underground and surface mining
- Lubrication of water plunger pumps in oil and gas production service
- Suitable for Rock Drills where the rotation of the drill is independent of the percussion mechanism, utilizing a separate hydraulic or pneumatic motor with reduction gearing for rotation

#### Advantages

- High film strength to minimize wear
- Good lubricity to reduce friction
- Effective lubrication in the presence of water
- Good rust and corrosion protection
- Non-toxic and non-irritating odour
- Excellent resistance to oxidation and gumming
- Minimum fog formation

#### Typical Characteristics - Rock Drill Oil

Properties	Method	Performance			
ISO Viscosity Grade	-	68	100	150	220
AGMA No. (non-EP)	-	2 EP	3 EP	4 EP	5 EP
Density (kg/L@15.0°C)	ASTM D1298	0.867	0.875	0.879	0.884
Kinematic Vis@40°C mm <sup>2</sup> /s	ASTM D445	69.3	104.1	150.4	230.6
Kinematic Vis@100°C mm <sup>2</sup> /s	ASTM D445	9.1	11.8	15.3	19.3
Viscosity Index	ASTM D2270	106	102	103	95
Flash Point (COC) °C(°F)	ASTM D92	215(420)	218(425)	221(430)	224(435)
Pour Point °C(°F)	ASTM D5950	-33(-27)	-33(-27)	-30(-22)	-12(10)

*These characteristics are typical of current production, variations in these characteristics may occur.*

## Availability and product codes

Pack size	20L pail	205L drum	1,000 tote/Bulk
Rock Drill 68	SLORZ0058	SLORZ0091	Special Order
Rock Drill 100	SLORZ0059	SLORZ0092	SLORZ0123
Rock Drill 150	SLORZ0060	IOORZ0082	Special Order
Rock Drill 220	SLORZ0061	IOORZ0083	
Availability	To order, contact us toll free 855-755-6737 or at <a href="mailto:orderdesk@nemco.ca">orderdesk@nemco.ca</a>		

## Use and Storage

To get the best performance from your equipment ensure products meet or exceed manufacturing requirements. Lubricants typically have a shelf life of 5 years under ideal storage conditions. Keep drums and totes in good condition and away from moisture. Keep bungs securely in place; as bungs breath moisture can seep in over time. Where possible, avoid storage in areas where the temperature fluctuates between extreme highs and lows.

## Health, Safety, & Environment

GHS compliant Safety Data Sheets are available at [nemco.ca](http://nemco.ca) under Safety Data Sheets. For SDS in French, please contact [info@nemco.ca](mailto:info@nemco.ca). These products are WHMIS classified. The SDS contains valuable information critical to the safe handling and proper use of the product. Always take used oil to an authorized collection point. Do not discharge into drains, soil, or water.

## Quality

Nemco Resources Ltd works with respected industry suppliers. The manufacturing facility in Winnipeg, Manitoba is proud to be certified to ISO9001. For questions regarding quality, please contact your Technical Sales Representative.