

ISO VG 32, 68, 100 & 150

Motosel 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 32, 68, 100 and 150, 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.

Motosel 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

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

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

TYPICAL CHARACTERISTICS - ROCK DRILL OIL

Properties	Method	Performance			
ISO Viscosity Grade	-	32	68	100	150
AGMA No. (non-EP)	-	1 EP	2 EP	3 EP	4 EP
Density (kg/L@15.0°C)	ASTM D1298	0.867	0.867	0.875	0.879
Kinematic Vis@40°C mm ² /s	ASTM D445	32	69.3	104.1	150.4
Kinematic Vis@100°C mm ² /s	ASTM D445	5.4	9.1	11.8	15.3
Viscosity Index	ASTM D2270	102	106	102	103
Flash Point (COC) °C(°F)	ASTM D92	205(401)	215(420)	218(425)	221(430)
Pour Point °C(°F)	ASTM D5950	-33(-27)	-33(-27)	-33(-27)	-30(-22)

Typical test data are average values only. Minor variations, which do not affect performance, may occur. You should consult your owner's manual to verify proper fluid recommendation for your particular vehicle.

HANDLING AND SAFETY INFORMATION - Refer to MOTOSEL (SDS) Safety Data Sheets for proper handling and safety information. Use the same care and handling as for any petroleum product. Nothing herein shall be deemed to constitute a warranty, express or implied, that said information or data are correct or that the products described are merchantable or fit for a particular purpose, or that said information, data or products can be used without infringing patents of third parties.