

Puma Rock Drill Oil EP

Puma Rock Drill Oil EP is specially formulated with selected highly refined mineral oils. It is recommended for most machinery lubricated by means of oil circulation systems. Its applications may vary in Mining, Quarrying, Construction, Roadworks, Tunnelling and Excavations. It also provides excellent extreme pressure (EP) and anti-wear performance in heavy duty pneumatic tools and industrial gearboxes. Available in ISO 150, 220, 320 & 460

- ✓ Oxidation Resistance
- ✓ Extreme Pressure
- ✓ Low Temp –Easy Start

Designed to Perform

Prolong Equipment life

The oil possesses excellent extreme pressure and anti-wear properties which help in increasing the equipment life and reducing maintenance cost.

Low Pour Point - Easy Start Up

Allows for easy start-up of hydraulic equipment; even at low temperatures, without circulation or regulation problems.

Applications

Puma Rock Drill Oil EP is suitable for use in pneumatic equipment including jackhammers, pavement breakers, stoppers, drifters, and drills used in road construction, quarries, and mining.

Puma Rock Drill Oil EP is completely suitable to be used in industrial gearboxes that require gear oil with Extreme Pressure additives.

These grades are also suitable for machining of small steel components having a high machinability index. The most viscous grades are suitable for bearings, crank mechanisms and gears of heavier machines in which higher thermal stresses and mechanical loads occur at low running speeds.

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Meets the requirements of the following specifications:

- AGMA 9005-E02
- DIN 51517 Part 3

Typical Physical Characteristics

Property	Temp	Units	Test Methods	ISO 150	ISO 220	ISO 320	ISO 460
ISO Viscosity Grade	-	-	ISO 3448	150	220	320	460
Kinematic Viscosity	@ 40°C	cSt	ASTM D-445	150	224.5	320	460
Kinematic Viscosity	@ 100°C	cSt	ASTM D-445	14.4	19.34	24.6	30.3
Viscosity Index	-	-	ASTM D-2270	93	97	98	95
Flash Point (COC)	-	°C	ASTM D-92	265	240	246	240
Pour Point	-	°C	ASTM D-97	-18	-21	-15	-21
Density	-	g/ml	ASTM D-4052	0.89	0.88	0.9	0.89

These characteristics are typical of current product methods whilst future production will conform to Puma Lubricants specifications, variations in these physical characteristics may occur.

Health & Safety Environment

- This product is unlikely to present any significant health and safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.
- Avoid contact with eyes and skin, use proper impervious gloves with used oil. After skin contact, wash immediately with soap and water. Guidance on health and safety is available on the appropriate Safety Data Sheet (SDS) which can be obtained from sds.pumaenergy.com.au.

Protect the Environment

- Take used oil to an authorized collection point. Do not discharge used or new oil into drains, soil or water.

Additional Information

- Technical advice on any applications not covered here may be obtained from your Puma Energy Representative.