



Product Data

Magna™ RD Range

Rock Drill Oils

Description

Castrol Magna RD Range Oils (previously called Rock Drill™ Oils) consist of selected mineral oils specially compounded with lubricity fortifiers, corrosion inhibitors and tackiness additives.

Application

Mining, quarrying, constructions, roadworks, tunneling and excavations.

Magna RD oils are recommended for the following well-known companies including Gardner-Denver, Atlas Copco and SIG.

However the correct grade should be selected against specific equipment and for local operating conditions. Most manufacturers include selection charts in their handbooks to assist in the selection of the correct grade.

Advantages

Design features and benefits of the Castrol range of high quality rock drill oils include:

- High film strength.
- Reduced friction.
- Provide a suitable seal between piston and cylinder.
- Reduced wear.
- Helps maintain maximum percussion efficiency.
- Preferentially adhere to metal surfaces and resist blow-off.
- Improved protection wear against wear caused by poor lubrication.
- Helps maintain operating speed.
- Reduced wear, allows operation in conditions of high or low temperatures.

Typical Characteristics

Name	Method	Units	RD 100	RD 150	RD 220	RD 320	RD 460
ISO Viscosity Grade	-	-	100	150	220	320	460
Density @ 15°C / 59°F	ASTM D4052 / ISO 12185	g/cm ³	0.89	0.89	0.89	0.90	0.90
Kinematic Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm ² /s	100	150	220	320	460
Kinematic Viscosity @ 100°C / 212°F	ASTM D445 / ISO 3104	mm ² /s	11.2	14.7	18.7	24.2	30.5
Pour Point	ASTM D97 / ISO 3016	°C/°F	-18 / 0	-15 / 5	-15 / 5	-12 / 10	-9 / 16
Flash Point - open cup method	ASTM D92 / ISO 2592	°C/°F	230 / 446	240 / 464	260 / 500	255 / 491	255 / 491

Subject to usual manufacturing tolerances

This product was previously called Rock Drill. The name was changed in 2015.

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