



Lube Control Pty Ltd



Product Data

Castrol Magna RD-M Range

Rock Drill Oils

Description

Castrol Magna™ RD-M range consist of selected mineral oils specially compounded with anti-wear, load carrying, lubricity fortifiers, corrosion inhibitors and tackiness additives.

Application

Magna RD-M is formulated to meet the lubrication requirements of highly loaded rock drills, drifters, hammers and other pneumatically operated equipment in industries such as mining, quarrying, constructions, roadworks, tunneling and excavations.

The extreme pressure additives make Magna RD-M suitable where there is a need to maintain high load carrying capacity while protecting against scuffing and shock loading. The increased tackiness prevent squeezing out the lubricant, reducing fling-off and water wash-out.

Available in ISO 150 & 320 grades so should reference to manufacturer selection charts in their handbooks to assist in the selection where 150 & 320 grades are recommended.

Advantages

- High Load carrying at slow and high speeds.
- Highly shock loading resistant.
- Excellent surface adhesion properties.
- Reduced friction.



Typical Characteristics

Name	Method	Units	Magna RD-M 150	Magna RD-M 320
Appearance	Visual		Clear and Bright	Clear and Bright
ISO Viscosity Grade	-	-	150	320
Density @ 15°C / 59°F	ISO 12185 / ASTM D4052	kg/m³	890	890
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm²/s	150	320
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm²/s	14.6	24.6
Viscosity Index	ASTM D2270; ISO 2909	None	>95	>95
Flash Point - open cup method	ISO 2719 / ASTM D93	°C/°F	223/435	226/440
Pour Point	ISO 3016 / ASTM D97	°C/°F	-21/-6	-12/10
Foam Sequence I - tendency / stability	ISO 6247 / ASTM D892	ml/ml	10/0	10/0
Copper corrosion (3 h @100°C/ 212°F)	ISO 2160 / ASTM D130	Rating	1	1
Rust test - synthetic seawater (24 hrs)	ASTM D665	rating	Pass	Pass
SRV Extreme Pressure Properties, Load carrying	ASTM D4951	N	>1000	>1000
FZG Gear Scuffing test - A/8.3/90	ISO 14635-1	Failure Load Stage	>14	>14
FZG Micropitting test @ 90°C/194°F	FVA 54-7	Failure Load Stage / Micropitting Rating	>10/ High	>10/ High

Subject to usual manufacturing tolerances.

Castrol Magna RD-M Range

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