



Product Data

Magna RD-M 320

Rock Drill Oil

Description

Castrol Magna™ RD-M 320 consists of selected mineral oils specially compounded with anti-wear, load carrying, lubricity fortifiers, corrosion inhibitors and tackiness additives.

Application

Magna RD-M 320 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 as an ISO 320 grade so should reference to manufacturer selection charts in their handbooks to assist in the selection where a 320 grade is recommended.

Advantages

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

Typical Characteristics

Name	Method	Units	Magna RD-M 320
Appearance	Visual	-	Clear and Bright
ISO Viscosity Grade	-	-	320
Density @ 15°C / 59°F	ISO 12185 / ASTM D4052	kg/m ³	890
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	320
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm ² /s	24.6
Viscosity Index	ISO 2909 / ASTM D2270	-	>95
Flash Point - open cup method	ISO 2592 / ASTM D92	°C/°F	250/482
Pour Point	ISO 3016 / ASTM D97	°C/°F	-12/10
Foam Sequence I - tendency / stability	ISO 6247 / ASTM D892	ml/ml	10/0
Copper corrosion (3 h @100°C/212°F)	ISO 2160 / ASTM D130	Rating	1
Rust test - synthetic seawater (24 hrs)	ISO 7210 / ASTM D665B	Rating	Pass
SRV Extreme Pressure Properties, Load carrying	ASTM D5706	N	>1000

Subject to usual manufacturing tolerances.

Magna RD-M 320

24 Sep 2024

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

<http://msdspds.castrol.com>