



Magna™ RD Compound

Rock Drill Oil

Description

Castrol Magna™ RD Compound (previously called Patent RD Compound) is a water-in-oil emulsion specially formulated with anti-wear, anti-rust and extreme pressure additives to protect internal rock drill components against wear, corrosion, high pressure and frictional loads and provide for cleaner, safer operating conditions.

Application

Magna RD Compound has been fortified to operate as an in-line air tool lubricant in all pneumatic rock drills operating on mines with moderate to severe operating conditions.

Magna RD Compound is more environmentally acceptable than conventional rock drill lubricants, due to its high water content and the absence of heavy hydrocarbons.

Magna RD Compound is supplied in sealed, ready-to-use plastic cartridges designed for use in conjunction with the Castrol Lubricator.

Advantages

- Safer to use and less impact to the environment.
- Extended equipment life and higher productivity.
- Reduced repair and downtime costs.
- Composition of the product ensures cleaner operating conditions and operator comfort especially in confined spaces such as shaft sinking.
- The product ensures rapid start-up and maximizes productivity.
- Magna RD Compound is non-flammable, i.e “dieseling” which occurs in rock drill machines is prevented.
- The product does not become atomized into a mist at the exhaust of the drill, thus reducing fire and health hazards.
- Non-toxic, therefore not harmful to the skin.
- Equipment is protected from wear and corrosion.
- The extreme pressure additives ensure protection under high pressure and friction load.
- The product resists water wash-off, which ensures maximum lubrication where necessary.
- Contain no heavy hydrocarbons.
- Excellent anti-wear, anti-rust and extreme pressure additives.

Typical Characteristics

Name	Method	Units	Magna RD Compound
Colour	-	-	Opaque
Density @ 20°C / 68°F	ISO 12185 / ASTM D4052	kg/m ³	938
Brookfield Viscosity @ 23°C	ISO 9262 / ASTM D2983	mPas	3400 - 3800
Emulsion Particle Size	-	Micron	below 2
Flash Point - open cup method	ISO 2592 / ASTM D92	°C	non-flam
Water Content - Dean-Stark distillation test	ISO 3733 / ASTM D95	% wt	41

Subject to usual manufacturing tolerances.

This product was previously called Patent RD Compound. The name was changed in 2015.

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