

ExxonMobil Mobil Almo 527

Category : Fluid , Lubricant

Material Notes:

Mobil Almo 500 Series lubricants are premium quality high performance products primarily intended for the lubrication of pneumatically operated rock drills in underground and surface mining operations. The Mobil Almo Series oils are formulated from high quality base stocks and additives, which provide excellent chemical stability and good protection against wear and corrosion. They offer an optimum balance of adhesiveness, yet are emulsifiable enough to pick up moisture carried in the air stream reducing the negative effects of water on wear and corrosion. They do not form gummy deposits that could cause sluggish valve action. Even in the presence of water, the Mobil Almo 500 Series oils have good preferential metal-wetting properties that maintain continuous oil films. These properties in combination with high EP characteristics help provide excellent lubrication resulting in long equipment life. Mobil Almo 500 Series possess high viscosity indexes and low pour points to ensure good lubrication at the low temperatures resulting from air expansion and guard against icing stoppages while providing adequate films on drill parts that may operate at high temperatures. Oil fog generation levels are extremely low. Mobil Almo 500 Series oils are recommended for use in all pneumatically operated rock drills in both underground and surface mining as well as in contractor and other industrial applications. They are suitable for percussive- and rotary- type tools. The viscosity grades allow selection for year-round use where seasonal ambient temperature variations are extreme. Specific applications include: Pneumatically operated rock drills in underground and surface mining operations; Pneumatically operated drills and jack hammers in highway construction and building operations; Rock drills in quarry operations; Percussion and rotary air-operated tools in industrial applications

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Physical Properties	Metric	English	Comments
Density	0.899 g/cc @Temperature 15.6 °C	0.0325 lb/in ³ @Temperature 60.1 °F	ASTM D4052
Viscosity Measurement	91	91	Index; ASTM D2270
Kinematic Viscosity at 40°C (104°F)	112.9 cSt	112.9 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	11.4 cSt	11.4 cSt	ASTM D445

Thermal Properties	Metric	English	Comments
Pour Point	-30.0 °C	-22.0 °F	ASTM D97
Flash Point	>= 204 °C	>= 399 °F	ASTM D92

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