



Mobil Almo™ 527

Mobil Industrial , Egypt

Premium Pneumatic Rock Drill and Tool Lubricant

Product Description

Mobil Almo 527 is a premium quality product primarily intended for the lubrication of pneumatically operated rock drills in underground and surface mining operations. It is formulated from high quality base stocks and additives that provide excellent chemical stability and good protection against wear and corrosion. It does not form gummy deposits that could cause sluggish valve action. Its high viscosity index and low pour point ensure good lubrication at low temperatures resulting from expansion and guards against icing stoppages, while providing adequate oil films on drill parts that may operate at higher temperatures. Even in the presence of small amounts of water, Mobil Almo 527 has good preferential metal-wetting properties, and its adhesive nature and ability to emulsify water ensure the maintenance of continuous oil films to reduce wear and protect against rusting and corrosion. Oil fog generation levels are extremely low, and are both non-toxic and non-irritating with a bland, unobjectionable odor.

Features and Benefits

Mobil Almo 527 offers the following benefits:

- Extended air tool life, reduced maintenance and repair costs
- Superior protection against wear and effective lubrication in the presence of water
- Good low temperature lubrication with fewer icing stoppages
- Good protection against rust and corrosion in the presence of water
- Reduced tendency to water wash-off in wet conditions
- Excellent resistance to oxidation and gumming
- Improved working environment due to minimum oil fog in confined spaces and non-toxic and non-irritating odor.

Applications

Mobil Almo 527 is recommended for use in all pneumatically operated rock drills in both underground and surface mining as well as in contractor and other industrial applications. It is suitable for percussive- and rotary-type tools.

Mobil Almo 527 is intended for medium severe duty mine and quarry drilling and civil engineering applications. It may be applied by hand oiling or integral oil reservoir found in small units, and by air line oilers and centralized lubrication systems on larger units.

Properties and Specifications

| Property   |                  |
|--|------------------|
| Appearance, AMS 1738                                       | Clear and Bright |
| ASTM Color, ASTM D1500                                     | 6.0 (max)        |
| Calcium, mass%, ASTM D4951                                 | 0.025            |
| Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445 | 11.4             |
| Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445  | 112.9            |
| Pour Point, °C, ASTM D97                                   | -33              |
| Viscosity Index, ASTM D2270                                | 90               |
| Zinc, mass%, ASTM D4951                                    | 0.08             |

| Property                                      |       |
|---|-------|
| Density @ 15.6 C, kg/l, ASTM D4052            | 0.899 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 204   |

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.as>

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You can always contact our Technical Help Desk engineers on Mobil lubricants and services related questions: <https://www.global.mobil.com/en/contact-us>

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product perfor are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All pr may not be available locally. For more information, contact your local ExxonMobil contact or visit [www.exxonmobil.com](http://www.exxonmobil.com)

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