

Product Data Sheet

Mobil Vacmul XLM 25 High Speed Neat Grinding Oil

Product Description

Mobil Vacmul XLM 25 is a low odour, light coloured neat grinding oil. The product is based on unconventional base oils, giving benefits of low evaporation and low misting. Mobil Vacmul XLM 25 contains a balanced additive system, consisting of surface active and extreme pressure agents, selected for tough high precision grinding operations, including grinding of flute drills.

Benefits

Mobil Vacmul XLM 25 offers the following benefits:

- Light coloured allowing operators easy visibility of tool and workpiece
- Low evaporation and low misting to improve the workshop environment and reduce oil consumption
- Optimum viscosity for heat removal and lubrication
- Excellent metal wetting ability reduces surface burning and ensures clean wheels
- Extreme pressure additives to improve surface finish and machine efficiency
- Low staining on drill flutes
- Elimination of sticky residues on wheels and slides
- Chlorine free for lower disposal costs

Application

Mobil Vacmul XLM 25 is recommended for use in high speed and high pressure grinding operations for the production of fluted tools, including drills, taps and end mills. It is also suitable for grinding with CBN wheels, allowing improvements in wheel life and consequently enhanced surface finish of components.

Vacmul XLM 25 can also be used for light to medium duty turning and forming operations on multi purpose and CNC machines and in low pressure hydraulic systems.

Health and Safety

Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

Typical Characteristics

Vacmul XLM 25

	Test Methods	Units	Result
Appearance	Visual		Light yellow
Specific Gravity at 15°C	ASTM D1298	g/cm ³	0.850
Kinematic Viscosity at 40°C	ASTM D445	cSt	22
Kinematic Viscosity at 100°C	ASTM D445	cSt	4.5
Flash Point, COC	ASTM D92	°C	212
Pour Point	ASTM D97	°C	-21
Copper Corrosion	ASTM D130		1B

Due to continual product research and development, the information contained herein is subject to change without notice.

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