MOBIL™ VACTRA SLIDEWAY SERIES

Mobil Industrial , Libya

Way and Slide Lubricants

Product Description

Mobil™ Vactra Slideway are high-quality slideway lubricants specificallydesigned for the lubrication of linear motion guides, ball screws andslidewaysof high precision machine tools and metal processing machines. Inparticular, Mobil™ Vactra Slideway demonstrate exceptional frictionperformance andcoolant separability.Mobil™ Vactra Slideway are carefully formulated from high-quality basestocks and the latest advanced additive system that provides controlledfrictional properties for high precision machining, compatibility withaqueous metal working fluids and corrosion protection of parts andequipment. Theunique additive package provides excellent frictional properties on awide variety of way materials, including steel on steel and steel onpolymer, reducingstick-slip and chatter. This allows smooth, uniform motion at designtravel speeds enhancing machine productivity and very high accuracyhelping toprolong tool life and enhance surface finish. Mobil™ Vactra Slidewayhave also been optimized to provide separability from many aqueouscoolants.

Features and Benefits

Mobil™ Vactra Slideway have been specifically designed to provide excellent machinery protection and machining accuracy by satisfying the stringent demands of machine tool slideways. Mobil™ Vactra Slideway exhibit excellent lubricity and load-carrying performance contributing significantly to improving the quality of machined parts even at sub-micron level.

Mobil™ Vactra Slideway have been developed with adhesiveness which prevents lubricants from being washed away from slideways. Lubricant wash-away by coolant can be responsible for abnormal noises, increase in sliding resistance, overload of sliding motors stopping operations and decrease in machining accuracy. Mobil™ Vactra Slideway can help prevent these disturbances, even in applications with high-levels of coolant wash-away effect.

Mobil™ Vactra Slideway demonstrate outstanding separability from coolants which allows the machine tool to operate with high precision and help maximize the life and performance of coolants.

In addition, Mobil™ Vactra Slideway have been tested and optimized for compatibility with Mobil Vactra™ Oil Numbered Series.

Features	Advantages and Potential Benefits
Controlled frictional characteristics	Reduces stick slip and improves machining accuracy for high-precision applications even at sub-micron level
Adhesiveness	Prevents washing lubricant out of critical surfaces
Water and Aqueous Coolant Separability	Helps improve the life and performance of many aqueous coolants
Long term rust and corrosion protection	Helps reduce the deterioration of sliding surfaces in the presence of water and aqueous coolants
Multi-material Capabilities	Suitable for a wide range of slideway material combinations allowing for product consolidation

Applications

Mobil™ Vactra Slideway are recommended for the lubrication of machine tool slideway systems. They are designed for use with combinations of cast iron, steel and non-metallic way materials. Mobil™ Vactra Slideway may be applied by hand, forced-feed lubricator or in flood application by circulation system.

- Recommended for horizontal slideways on small to medium size machine tools in high precision applications. It is also suitable for circulating application in large machines and as a moderate duty hydraulic fluid.
- Can be used for lubrication of ball screws, linear guides, headstocks, translating screws.
- Recommended for applications where oil contamination of the aqueous coolants shortens coolant batch life.

Specifications and Approvals

This product is recommended for use in applications requiring:	MOBIL VACTRA SLIDEWAY 68	MOBIL VACTRA SLIDEWAY 220
Fives Cincinnati P-47	X	
Fives Cincinnati P-50		X

This product meets or exceeds the requirements of:		
China GB 11118.1-2011, L-HG	X	X
DIN 51502:1990-08 CGLP	X	X
ISO L-GA (ISO 6743-13:2002)	X	X
ISO L-GB (ISO 6743-13:2002)	X	X

Properties and Specifications

Property	MOBIL VACTRA SLIDEWAY 68	MOBIL VACTRA SLIDEWAY 220
Grade	ISO VG 68	ISO VG 220
Copper Strip Corrosion, 3 h, 100 C, Rating, ASTM D130	1B	1B
FZG Scuffing, Fail Load Stage, A/8.3/90, ISO 14635-1	12	12
Flash Point, Cleveland Open Cup, °C, ASTM D92	245	255
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	70,5	218.4
Pour Point, °C, ASTM D97	-12	-12

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.aspx

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