

Product Description

Mobil Vactra Numbered Oils are premium quality lubricants designed to meet the exacting conditions which occur in the lubrication of machine tool ways and slides. They are also suitable for machine tool hydraulic systems.

They are formulated from high quality base stocks and a unique additive system which provides exceptional separability from most water based cutting fluids.

In addition, Mobil Vactra Numbered Oils provide excellent frictional properties to eliminate stick slip and chatter under thin-film, boundary lubrication conditions. This allows smooth, uniform motion, even at low table speeds. Their metal-wetting and adhesive properties provide uniform films that resist squeezing from way surfaces while the machine is not in operation and minimum drain down on vertical surfaces. This ensures that smooth initial slideway movements are maintained even after extended shut down periods and minimises wear.

Mobil Vactra Numbered Oils offer excellent protection against rust and corrosion and eliminate staining problems.

They are resistant to oxidation, an essential feature particularly in large systems, and have good filterability characteristics necessary to maintain lubricant flow and prevent plugging of filters.

Mobil Vactra Numbered Oils are recommended for use with all combinations of cast iron, steel and non-metallic way materials.

Benefits

Mobil Vactra Numbered Oils offer the following benefits :

- Exceptional separation from most water based cutting fluids to minimise the problems and costs of coolant disposal
- Superior work piece finish and closer tolerances resulting from elimination of stick-slip and chatter
- Suitable for all slideway material combinations
- High precision due to low slideway wear
- Longer service life of machine tools due to outstanding anti-wear performance and excellent protection against rust and corrosion
- Long lubricant life due to high chemical stability and resistance to oxidation
- Reduced maintenance costs and longer, trouble free production runs

Application

Mobil Vactra Numbered Oils are recommended both as slideway lubricants, particularly where high precision is required under heavy loading conditions at slow speed.

Where the viscosity is correct, they can be used in moderate service machine tool hydraulic systems.

Their extreme pressure properties make the Mobil Vactra Numbered Oils suitable for all types of gears found in machine tools.

Health and Safety

Based on available toxicological information, it has been determined that these products pose 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

Mobil Vactra Oil	No. 1	No. 2	No. 3	No. 4
ISO Viscosity Grade	32	68	150	220
Viscosity, cSt at 40°C	31.5	66	143	205
Viscosity, cSt at 100°C	5.4	8.7	14.8	18.1
Viscosity Index	96	95	95	95
Flash Point, °C	215	230	234	236
Pour Point, °C	-15	-13	-7	-6

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

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