

Product Description

Mobil Vacuoline Oil 1405 and 1409 are special oils for machine tools which need one common lubricant for both the slideways and hydraulic system. Additionally, they are recommended for machine tool slideway systems where excellent separation from water-based coolants is required.

These products are made from solvent refined mineral base oils blended with friction modifier and anti-wear additives.

Benefits

Mobil Vacuoline Oil 1405 and 1409 offer the following benefits:

- Ability to satisfy slideway lubrication and hydraulic system requirements with a single oil
- Rapid separation from water-based coolants
- Suitable for all slideway material combinations
- Good work finish results from a reduction of stick-slip and chatter
- Good protection against rust and corrosion
- High precision due to reduced slideway wear
- Good hydraulic performance
- Low maintenance costs due to reduced unscheduled downtime

Applications

Mobil Vacuoline Oil 1405 and 1409 are recommended for use in machine tool hydraulic systems in which a continual bleed lubricates the slideways – and for slideway systems where rapid separation from water-based coolants is required.

These products are recommended by many machine tool builders.

Properties

Mobil Vacuoline Oil 1405 and 1409 present an optimum balance between the requirements of hydraulic oils and slideway lubricants. They contain special friction modifiers to overcome the stick slip problem associated with slideway operation, and also have a high oxidation stability to permit their use as hydraulic oils.

Mobil Vacuoline Oil 1405 and 1409 have good load carrying capability and lubricity to ensure smooth chatter free movement of machine tool slideways without stick-slip. Their oxidation stability resists the formation of lacquer and deposits in machine tool hydraulic systems and their good anti-corrosion properties protect slideways from rusting and staining. Excellent demulsibility combined with tackiness agents resist wash-off by water-based coolants.

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.

Product Characteristics

Mobil Vacuoline Oil	1405	1409
ISO Viscosity Grade	32	68
Viscosity, cSt at 40°C	30.5	68
Viscosity Index	115	108
Specific Gravity at 15/4 °C	0.875	0.890
Pour Point, °C max.	-12	-9
Flash Point, °C min. COC	218	248

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

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