

Product Description

Certrex 1102 is a near white, very low viscosity mineral oil made from highly refined base oil and anti-oxidant additives.

Benefits

Certrex 1102 offers the following benefits:

- Better lubricity than kerosene.
- Excellent cooling and flushing action in close tolerance spark erosion (EDM) machining operations.
- Contains anti-oxidant additives to achieve long life.
- Good fine flushing properties when used as honing oil.
- Keeps grinding wheels and hones free from glazing and loading.
- Higher flash point than kerosene gives added safety.
- Cost savings through longevity of product.

Application

Certrex 1102 is recommended for many applications where the lightest possible mineral oil is required, but where kerosene is not suitable due to its lack of lubricity or hazards associated with its much lower flash point.

It is recommended as a medium for diesel engine fuel pump calibration where the lubricity characteristics reduce wear on the pump moving parts and leave a thin oily film on ferrous surfaces which reduces any tendency towards rusting.

Certrex 1102 is recommended for spark erosion machining (EDM) where its low viscosity and electrical properties combine to produce a fluid with good flushing and cooling ability.

Another recommended application is as a cutting oil for fast machining operations on aluminium alloys and zinc based alloys where light feeds are encountered. Certrex 1102 is also ideally suitable for vertical honing operations on cast iron components such as cylinder blocks and liners and for machining cast iron engine valve tappets on multi-spindle automatics.

In certain cases it has been applied with success to optical lens grinding operations using copper bonded grinding wheels.

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

| | Certrex 1102 |
|------------------------|---------------------|
| Viscosity, cSt at 40°C | 3.8/4.6 |
| Pour Point, °C | -18 |
| Flash Point, °C | 132 |

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

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