

Product Data Sheet

Mobil DTE FM 460 Fully Synthetic Food Grade Lubricant

Product Description

Mobil DTE FM 460 is a water white, tasteless, odourless, premium quality gear oil.

It is formulated with Polyalphaolefin (PAO) base stock and non toxic USDA/FDA accepted food grade additives.

Mobil DTE FM 460 oil has USDA H-1 acceptance for use in Federally inspected meat and poultry plants. It is also approved by the FDA for use in food handling applications (Federal Regulation 21 CFR 178.3570) in which the possibility of incidental food contact exists.

Benefits

Mobil DTE FM 460 offers the following benefits:

- Suitable for multi service applications, therefore helping to reduce the number of different lubricant needed, in a food processing plant
- Balanced additive system providing good anti-wear protection excellent oxidation stability and rust protection
- Excellent protection against scuffing and wear in industrial gear applications

Application

Mobil DTE FM 460 is recommended for use in all food processing industries, meat packing plants and in the fish processing industry.

It is suitable for multi service applications in the lubrication of food machinery including enclosed gears and bearings especially in those applications where a product suitable for incidental food contact is required.

It is specially recommended for use in freezer plants and for outdoor applications.

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

| | Test Method | Mobil DTE FM 460 |
|----------------------------------|--------------------|-------------------------|
| ISO Viscosity Grade | - | 460 |
| Viscosity, cSt at 40°C | ASTM D 445 | 460 |
| Viscosity, cSt at 100°C | ASTM D 445 | 43.4 |
| Viscosity Index | ASTM D 2270 | 152 |
| Specific Gravity | ASTM D 1298 | 0.852 |
| Flash Point, °C | ASTM D 92 | 284 |
| Pour Point, °C | ASTM D 97 | -36 |
| ASTM Colour | ASTM D 1500 | L0.5 |
| RBOT Minutes | ASTM D 2272 | 570 |
| ASTM/Rust 24 hrs/Distilled Water | ASTM D 665 | Pass |
| Copper Strip Corrosion 3 hrs | ASTM D 130 | 1a |
| FZG Gear Test Failure Stage | DIN 51532 | 12 |
| Vickers V-104C Pump Wear, mg | ASTM D2882 | 43 |

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

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