

# Product Data Sheet

## Mobil DTE FM 32 Premium Quality Food Grade Lubricant

### Product Description

Mobil DTE FM 32 is a water white, tasteless, odourless, premium quality hydraulic and circulating oil.

It is formulated from superior base oils and non toxic FDA acceptable components (Federal Regulation 21 CFR 178.3570) for use in applications where the possibility of incidental food contact exists.

Mobil DTE FM 32, has USDA H-1 acceptance for use in Federally inspected meat and poultry plants where incidental food contact may occur.

### Benefits

Mobil DTE FM 32 offers the following benefits:

- Suitable for multi service applications, therefore reducing the number of different lubricants needed, in a food processing plant.
- Balanced additive system providing good anti-wear protection, excellent oxidation stability and rust protection.

### Application

Mobil DTE FM 32, 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 hydraulic systems, bearings, air line lubricators and vacuum pumps handling air or inert gases especially in those applications where a product suitable for incidental food contact is required.

## 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

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|                                  | Test Method | Mobil DTE FM 32 |
|----------------------------------|-------------|-----------------|
| ISO Viscosity Grade              | -           | 32              |
| Viscosity, cSt at 40°C           |             | 32.1            |
| Viscosity, cSt at 100°C          | ASTM D 445  | 5.5             |
| Viscosity Index                  | ASTM D 2270 | 106             |
| Specific Gravity                 | ASTM D 1298 | 0.862           |
| Flash Point, °C                  | ASTM D 92   | 212             |
| Pour Point, °C                   | ASTM D 97   | -12             |
| ASTM Colour                      | ASTM D 1500 | L0.5            |
| RBOT Minutes                     | ASTM D 2272 | 479             |
| 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   | 11              |
| Vickers V-104C Pump Wear, mg     | ASTM D2882  | 43              |

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

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