

# Product Data Sheet

## Mobil DTE FM 320 Semi-Synthetic Food Grade Lubricant

### Product Description

Mobil DTE FM 320 is a water white, tasteless, odourless, premium quality circulation and gear oil.

It is formulated with a blend of Polyalphaolefin (PAO), VHQ base stock and non-toxic USDA/FDA accepted food grade additives.

Mobil DTE FM 320 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 320 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
- Excellent protection against scuffing and wear in industrial gear applications

### Application

Mobil DTE FM 320 is recommended for use in all food processing industries, meat packing plants and in the fish processing industry.

Multi service applications in the lubrication of food machinery including enclosed gears, bearings, compressors and vacuum pumps handling air or inert gases.

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

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	<b>Test Method</b>	<b>Mobil DTE FM 320</b>
ISO Viscosity Grade	-	320
Viscosity, cSt at 40°C	ASTM D445	320
Viscosity, cSt at 100°C	ASTM D445	34.2
Viscosity Index	ASTM D2270	148
Specific Gravity	ASTM D1298	0.852
Flash Point, °C	ASTM D92	272
Pour Point, °C	ASTM D97	-42
ASTM Colour	ASTM D1500	L0.5
RBOT minutes	ASTM D2272	580
ASTM/Rust 24hrs./Distilled Water	ASTM D665	Pass
Copper Strip Corrosion 3 hrs.	ASTM D130	1a
FZG Gear Test Failure Stage	DIN 51532	12
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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