

Product Data Sheet

Mobil DTE FM 220 Semi-Synthetic Food Grade Lubricant

Product Description

Mobil DTE FM 220 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 220 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 220 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 220 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, bearings, chains and vacuum pumps handling air or inert gases 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 220
ISO Viscosity Grade	-	220
Viscosity cSt at 40 °C	ASTM D 445	220
Viscosity cSt at 100 °C max.	ASTM D 445	24.5
Viscosity Index	ASTM D 2270	143
Specific Gravity	ASTM D 1298	0.865
Flash Point, °C	ASTM D 92	246
Pour Point, °C	ASTM D 97	-21
ASTM Colour	ASTM D 1500	L0.5
RBOT Minutes	ASTM D 2272	540
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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