

Mobil DTE[®] Oil Named Series

Circulation Oils

Description

The Mobil DTE Oil Named oils are formulated from premium-quality, highly refined, high VI base stocks. The inherent stability of these base stocks is further enhanced by oxidation inhibitors to resist breakdown at high temperature in the presence of entrained air and catalyzing metals. Defoamants ensure that entrained air is released while metal deactivators prevent corrosion and reduce the catalytic effect of system metals. All grades contain a rust inhibitor selected for its ability to maintain effectiveness over long periods of time. Good demulsibility permits water and other contaminants to separate readily from the oil in the system reservoir.

Application

Bearings and Gears - These oils are intended primarily for the lubrication of plain bearings, anti-friction bearings, and parallel shaft gearing. Selection of the proper viscosity grade should be based on speed, load, temperature, and geometry of the components involved.

Hydraulics - Moderate-pressure hydraulic systems, depending on viscosity requirements, can be lubricated with Mobil DTE Oil Heavy Medium and Heavy. For higher pressure systems which require an oil with both a lower ISO viscosity and antiwear properties, the Mobil DTE 10M and 20 Series oils should be used.

Compressors - Compressors and vacuum pumps handling inert gases generally can be lubricated, depending on viscosity requirements, with Mobil DTE Oil Heavy Medium and Heavy in applications where discharge temperatures do not exceed 150°C. Units in service on air, refrigerants, hydrocarbons, and process gases usually require special engineering consideration.

Typical Properties

Physical characteristics listed in the table are typical and may vary slightly.

Mobil DTE Oil	Heavy Medium	Heavy
Product Number	60016-3	60018-9
Specific Gravity	.877	.881
Pour Point, °C (°F)	-7 (20)	-7 (20)
Flash Point (COC), °C (°F)	204 (400)	210 (410)
Kinematic Viscosity		
cSt at 40 °C	64.6	95
cSt at 100 °C	8.4	11.4
SUS at 100 °F	335	495
SUS at 210 °F	55	65.5
Viscosity Index	95	95
ISO VG	68	100
Color, ASTM	2.5	2.5
Neut. No.	0.30	0.30
Rust Protection, A & B	Pass	Pass
Demulsibility at 54°C	Pass	Pass



Precautions

The Mobil DTE Oil Named oils are manufactured from high quality petroleum base stocks, carefully blended with selected additives. As with all petroleum products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact to skin, splashing into the eyes, ingestion or vapour inhalation. Please refer to our Imperial Oil Material Safety Data Sheet for further information.

Note: This product is not controlled under Canadian WHMIS legislation.

Due to continual product research and development, the information contained herein is subject to changes without notification. Additional important health and safety information on this product can be found in the Material Safety Data Sheet, which is available online at www.imperialoil.ca/mobil or by contacting Lubricants and Petroleum Specialities, Technical Services, Technical Help Desk: 1-800-268-3183

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