



Mobil DTE™ HFP Series

Mobil Industrial , Japan

High performance zinc-free anti-wear hydraulic oils

Product Description

Mobil DTE™ HFP hydraulic oils are high performance zinc-free anti-wear hydraulic oils. Mobil DTE HFP 46 & 68 are constructed from selected high-performance base oils with high flash point property to provide well balanced performance in a range of applications. The products exhibit outstanding oxidation and thermal stability allowing long oil life and minimized deposit formation in the industrial and mobile service application.

Features and Benefits

- Oxidation stability helps reduce maintenance downtime and costs by contributing to system cleanliness and deposit reduction, enable long oil and filter life
- Anti-wear and corrosion protection of system components helps reduce wear and protects pumps and components for extended equipment life
- Keep clean properties reduce system deposits and sludge help protect equipment and extend equipment life, reduce maintenance costs and improve total system performance
- High flash point that is required for industrial applications

Applications

- Hydraulic systems critical to deposit build-up or where sludge and deposits form with conventional products
- Systems using gear, vane, radial and axial piston pumps and those containing gears and bearings
- Where small amounts of water are unavoidable
- Machines employing a wide range of components using various metallurgy

Specifications and Approvals

Mobil DTE HFP Series meets or exceeds the requirements of:	MOBIL DTE HFP 46	MOBIL DTE HFP 68
ISO L-HM (ISO 11158:2023)	X	X

Properties and Specifications

Property	MOBIL DTE HFP 46	MOBIL DTE HFP 68
Grade	ISO 46	ISO 68
FZG Scuffing, A/8.3/90, Fail Stage, Rating, DIN 51354	12	11
Flash Point, Cleveland Open Cup, °C, ASTM D92	255	256
Foam, Sequence I, Stability, ml, ASTM D892	0	0
Foam, Sequence I, Tendency, ml, ASTM D892	0	0
Foam, Sequence II, Stability, ml, ASTM D892	0	0

Property	MOBIL DTE HFP 46	MOBIL DTE HFP 68
Foam, Sequence II, Tendency, ml, ASTM D892	0	0
Foam, Sequence III, Stability, ml, ASTM D892	0	0
Foam, Sequence III, Tendency, ml, ASTM D892	0	0
Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445	7.604	9.271
Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445	46.42	67
Pour Point, °C, ASTM D97	-37	-32
Rust Test, Synthetic Sea Water, 4 h @ 60 C, ASTM D665	PASS	PASS
Viscosity Index, ASTM D2270	131	116

Health and Safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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04-2024

ExxonMobil Japan Godo Kaisha

Shinagawa Grand Central Tower

2-16-4, Konan, Minato-Ku,

Tokyo, 108-8218,

Japan

Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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