



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 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
Foam, Sequence II, Tendency, ml, ASTM D892	0	0
Foam, Sequence III, Stability, ml, ASTM D892	0	0

Property	MOBIL DTE HFP 46	MOBIL DTE HFP 68
Foam, Sequence III, Tendency, ml, ASTM D892	0	0
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	7.604	9.271
Kinematic Viscosity @ 40 C, mm2/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.as>
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