

Product Data Sheet

Mobil DTE 10M Series Shear Stable Premium Hydraulic Oils

Product Description

The DTE 10M Series are a range of shear stable premium anti-wear hydraulic oils with exceptional keep clean performance and are suitable for hydraulic systems operating over a wide temperature range. They are manufactured from high quality solvent refined mineral oils and include shear stable viscosity index improver, anti-wear, anti-oxidation, corrosion inhibitor and de-foamant additives.

Benefits

Mobil DTE 10M Series products offer the following benefits:

- Excellent steel-on-bronze anti-wear properties even in the presence of water
- Exceptionally long life due to excellent thermal stability, hydrolytic stability and demulsibility
- Superior keep clean performance maintains efficient operation of electro-hydraulic control valves
- Exceptionally good filterability
- Good multimetal compatibility and corrosion inhibition
- Excellent thin oil film rust inhibition
- Fatigue resistant even when contaminated with water
- Long service life due to excellent thermal and chemical stability
- Suitable for wide temperature range applications enabling grade rationalisation, which reduces the risk of misapplication
- Shear stable viscosity index improver ensures "stay-in-grade" performance preventing reductions in pump efficiency
- Increased pump life due to reduced component wear
- Good resistance to foam and rapid air separation reduces cavitation and improves system efficiency

Applications

Mobil DTE 10M Series oils are suitable for industrial and marine hydraulic systems where low ambient or wide temperature range applications are encountered. They are suitable for most hydraulic pumps except those incorporating silver components.

Properties

Mobil DTE 10M Series oils have very good low temperature fluidity and a high viscosity index ensuring optimum hydraulic system performance over a wide temperature range.

Mobil DTE 10M Series oils give superior protection against wear due to excellent load carrying and anti-wear characteristics. They also have high levels of resistance to chemical and thermal degradation which prevent accumulation of oxidation products which impair efficient operation and ready response.

They possess good water separation characteristics which combat the formation of permanent emulsions and give good rust protection even if contaminated with sea water. This rust protection is also provided on parts not continuously immersed in the oils.

Mobil DTE 10M Series oils have been specially treated to protect against mechanically induced foaming problems and to imbue them with good air release properties.

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.

Product Characteristics

Mobil DTE	11M	13M	15M	16M	18M	19M
ISO Viscosity Grade	15	32	46	68	100	150
Viscosity, cSt at 40°C	15	33	47	70	100	145
Viscosity, cSt at 100°C	3.9	6.5	8.1	10.1	12.8	16.0
Viscosity Index min.	140	140	140	125	115	115
Flash Point, °C	172	174	186	194	202	216
Pour Point, °C	-46	-46	-40	-37	-34	-34
Relative Density	0.862	0.877	0.880	0.887	0.887	0.888

Due to continual product research and development, the information contained herein is subject to change without notice

Mobil Oil Company Limited
Acting as Agent for Mobil Lubricants UK Limited
ExxonMobil House, Ermyn Way
Leatherhead, Surrey, KT22 8UX
Telephone: 01372 22 2000

