Mobil™

Performance Profile

Mobil DTE™ Hydraulic Zinc Free

High Performance Zinc Free Hydraulic Oils

Key Benefits

Excellent zinc-free anti-wear properties help reduce wear and protect pumps and components for extended equipment life

Zinc-free additives also enable long-lasting thermal and oxidation stability which offers long oil, filter and equipment life

Excellent demulsibility characteristics that help protect systems where small quantities of moisture are present

Meet a wide range of OEM requirements to add flexibility and minimize inventory requirements

Hydraulic Applications

The Mobil DTE™ Hydraulic Zinc Free series is designed for a range of high output hydraulic applications employing multi-metal designs in pumps and other components. The lubricants are recommended with systems :

- With high pressure vane, piston and gear pumps
- Containing gears and bearings
- Requiring a high degree of load-carrying capability and anti-wear protection
- Where cross-contamination of hydraulic fluid and coolants or small amounts of water are unavoidable

Mobil DTE™ Hydraulic Zinc Free Series oils are superior quality hydraulic oils specifically designed to meet the needs of modern, high pressure, industrial and mobile equipment hydraulic systems.

Mobil DTE™ Hydraulic Zinc Free Series lubricants are formulated from high quality base stocks and specially selected zinc free additives. The unique zinc-free additive system was developed to give exceptional protection in severe hydraulic applications due to excellent anti-wear performance.

Mobil DTE™ Hydraulic Zinc Free lubricants have been designed to offer a wide range of viscosities from ISO 22 to ISO VG 100.

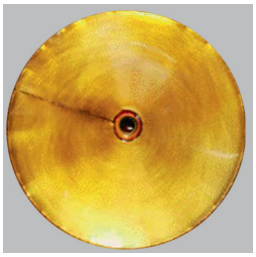
Mobil DTE™ Hydraulic Zinc Free

Typical properties*	Mobil DTE Hydraulic Zinc Free 22	Mobil DTE Hydraulic Zinc Free 32	Mobil DTE Hydraulic Zinc Free 46	Mobil DTE Hydraulic Zinc Free 68	Mobil DTE Hydraulic Zinc Free 100
Grade	ISO VG 22	ISO VG 32	ISO VG 46	ISO VG 68	ISO VG 100
Kinematic Viscosity @ 40 °C, mm^2/s, ASTM D445	22.6	32.72	46.26	68.33	99.86
Kinematic Viscosity @ 100 °C, mm^2/s, ASTM D445	4.5	5.66	7.01	8.84	11.77
Viscosity Index, ASTM D2270	115	112	108	102	107
Foam, Sequence I, Tendency / Stability, ml, ASTM D892	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0
Foam, Sequence II, Tendency / Stability, ml, ASTM D892	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0
Foam, Sequence III, Tendency / Stability, ml, ASTM D892	10 / 0	0 / 0	0 / 0	0 / 0	0 / 0
Rust Prevention, Procedure B, Rating, ASTM D665	Pass	Pass	Pass	Pass	Pass
FZG Scuffing, Fail Load Stage, A / 8.3 / 90		>12	>12	>12	>12
Copper Strip Corrosion, 3 h, 100 °C, Rating	1B	1B	1B	1B	1B

Specifications and Approvals

This product has the following approvals :	Mobil DTE Hydraulic Zinc Free 22	Mobil DTE Hydraulic Zinc Free 32	Mobil DTE Hydraulic Zinc Free 46	Mobil DTE Hydraulic Zinc Free 68	Mobil DTE Hydraulic Zinc Free 100
Bosch Rexroth Fluid Rating List 90245		▪	▪	▪	
Denison HF-0		▪	▪	▪	
Denison HF-1		▪	▪	▪	
Denison HF-2		▪	▪	▪	
Eaton E-FDGN-TB002-E		▪	▪	▪	
This product meets or exceeds the requirements of :	**Mobil DTE Hydraulic Zinc Free 22**	**Mobil DTE Hydraulic Zinc Free 32**	**Mobil DTE Hydraulic Zinc Free 46**	**Mobil DTE Hydraulic Zinc Free 68**	**Mobil DTE Hydraulic Zinc Free 100**
ASTM D6158 (Class HMHP)	▪	▪	▪	▪	▪
DIN 51524-2:2017-06	▪	▪	▪	▪	▪
ISO L-HM (ISO 11158:2009)	▪	▪	▪	▪	▪

Keep-Clean Performance



Mobil DTE™ 20 Ultra

Mobil DTE™ Hydraulic Zinc Free

Mobil DTE 10 Excel™

Mobil DTE™ Hydraulic Zinc Free shows excellent keep-clean properties in this test and performs better than Mobil DTE 20 Ultra.

The Mobil™ Hydraulic Fluid Durability (MHFD) Test circulates test oil for 2,000hrs with a catalyst and water.

Advancing Productivity™

Safety

Reduced maintenance and long service intervals help you mitigate potential employee risk arising from direct contact with equipment.

Environmental Care†

Mobil DTE™ Hydraulic Zinc Free lubricants help to reduce oil consumption via extended oil drain intervals and better keep-clean features.

Productivity

The extended life time of Mobil DTE™ Hydraulic Zinc Free lubricants helps reduce downtime and improve reliability.

* 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 exxonmobil.com. ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

† Visit mobil.eu to learn how certain Mobil-branded lubricants may provide benefits to help reduce environmental impact. Actual benefits will depend upon product selected, operating conditions and applications.

mobil.eu