



# Mobil DTE 10 Excel™ Series

High-performance lubricants designed for modern hydraulic systems

## Product features

Mobil DTE 10 Excel™ Series hydraulic oils are engineered to help minimise power consumption and handle the demands of today's high-pressure equipment. These state-of-the-art oils provide:

- Powerful equipment protection designed to help limit breakdowns
- Longer oil and filter change intervals
- Hydraulic system efficiency designed to surpass even our standard-setting Mobil DTE™ 20 Series oils

Up to  
**6%**  
increase in hydraulic  
efficiency.\*

Mobil DTE 10 Excel Series lubricants provided hydraulic pump efficiency benefits up to 6 percent when compared with a typical reference hydraulic fluid in controlled bench testing.

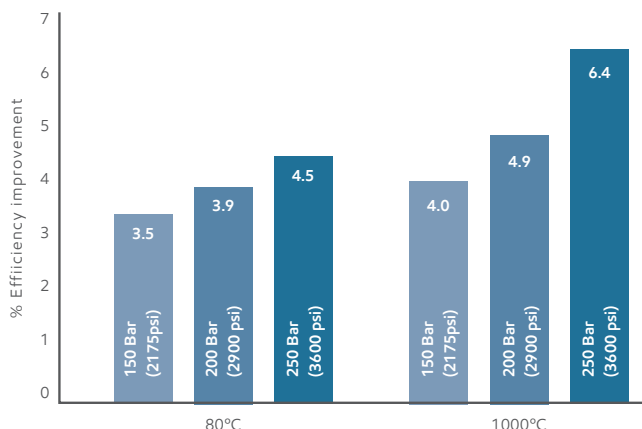
## Product benefits

Mobil DTE 10 Excel™ Series zinc-free hydraulic oils help:

- 1 Minimise operating and maintenance costs**
- 2 Optimise time between oil and filter change**
- 3 Maximise component life**
- 4 Provide reliable startup and pump protection at a wide temperature range**

## Hydraulic efficiency – bench test

Overall efficiency results for Mobil DTE 10 Excel

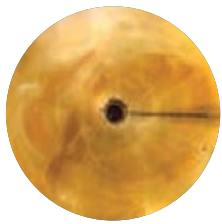


\*The energy efficiency of Mobil DTE 10 Excel™ relates solely to the fluid performance when compared to conventional Mobil-branded hydraulic fluids. The technology used allows up to 6 percent increase in hydraulic pump efficiency compared to Mobil DTE™ 20 series when tested in standard hydraulic applications under controlled conditions. The energy efficiency claim for this product is based on test results on the use of the fluid conducted in accordance with all applicable industry standards and protocols. Results may vary based on operating conditions and equipment.

# Mobil DTE 10 Excel™ Series

## Keep-clean performance

In demanding proprietary MHFD testing, Mobil DTE 10 Excel™ Series hydraulic oils outlasted competitive mineral-based products, keeping systems cleaner up to three times longer.



**Leading competitor**  
750 hours



**Mobil DTE 10 Excel Series**  
2,500 hours

Mobil DTE 10 Excel Series oils outlast conventional hydraulic fluids by up to **3X\***

\*Based on Mobil™ Hydraulic Fluid Durability (MHFD) testing.

## Typical properties

| Mobil DTE 10 Excel                                       | 15     | 22     | 32     | 46     | 68     | 100    | 150    |
|--|--------|--------|--------|--------|--------|--------|--------|
| ISO Viscosity Grade                                      | 15     | 22     | 32     | 46     | 68     | 100    | 150    |
| Viscosity, ASTM D 445                                    |        |        |        |        |        |        |        |
| cSt @ 40°C   | 15.8   | 22.4   | 32.7   | 45.6   | 68.4   | 99.8   | 155.6  |
| cSt @ 100°C  | 4.07   | 5.07   | 6.63   | 8.45   | 11.17  | 13.00  | 17.16  |
| Viscosity Index, ASTM D 2270                             | 168    | 164    | 164    | 164    | 156    | 127    | 120    |
| Brookfield Viscosity ASTM D 2983, cP @ -20°C             |        |        | 1090   | 1870   | 3990   | 11240  | 34500  |
| Brookfield Viscosity ASTM D 2983, cP @ -30°C             |        |        | 3360   | 7060   | 16380  | 57800  |        |
| Brookfield Viscosity ASTM D 2983, cP @ -40°C             | 2620   | 6390   | 14240  | 55770  |        |        |        |
| Tapered Roller Bearing (CEC L-45-A-99), % Viscosity Loss | 5      | 5      | 5      | 7      | 11     | 7      | 7      |
| Density 15°C, ASTM D 4052, kg/L                          | 0.8375 | 0.8418 | 0.8468 | 0.8502 | 0.8626 | 0.8773 | 0.8821 |
| Copper Strip Corrosion ASTM D 130, 3hrs @100°C           | 1B     | 1B     | 1B     | 1B     | 1B     | 1B     | 1B     |
| FZG Gear Test, DIN 51354, Fail Stage                     | -      | -      | 12     | 12     | 12     | 12     | 12     |
| Pour Point, °C, ASTM D 97                                | -54    | -54    | -48    | -45    | -39    | -33    | -30    |
| Flash Point, °C, ASTM D 92                               | 182    | 224    | 250    | 232    | 240    | 258    | 256    |
| Foam Sequence I, II, III, ASTM D 892, ml                 | 20/0   | 20/0   | 20/0   | 20/0   | 20/0   | 20/0   | 20/0   |
| Dielectric Strength, kV, ASTM D877                       | 45     | 54     | 49     | 41     |        |        |        |
| Acute Aquatic Toxicity (LC-50, OECD 203)                 | pass   | pass   | pass   | pass   | pass   | pass   | pass   |