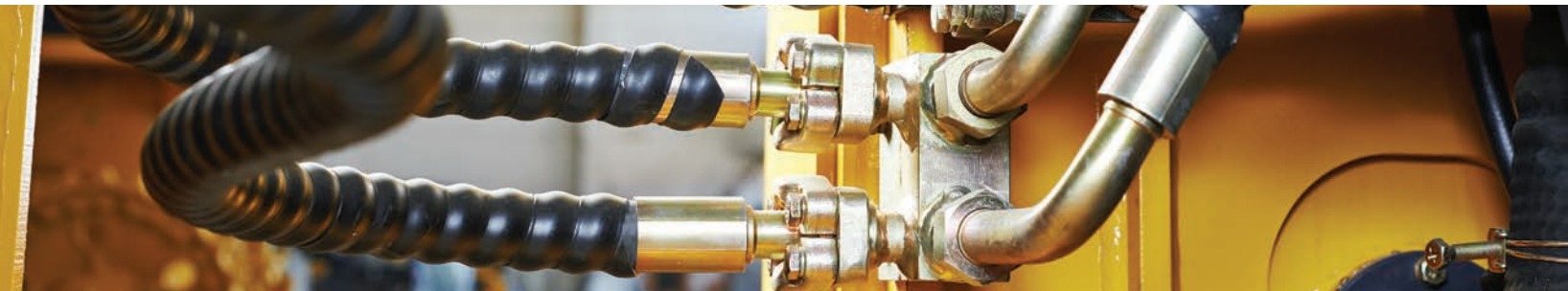


# Mobil DTE 10 Excel™ Series

High-performance hydraulic oils



Energy lives here

### Key benefits



Help minimize maintenance costs and downtime by keeping systems clean up to 3 times longer than competitive oils tested\*



Can help reduce power consumption and enhance equipment production through exceptional hydraulic efficiency



Reliable starting and pump protection at a wide temperature range

Minimize power consumption and maintenance costs while maximizing productivity with Mobil DTE 10 Excel™ Series zinc-free hydraulic oils. Formulated to handle the demands of today's high-pressure industrial and mobile equipment, these state-of-the-art oils provide:

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

Up to

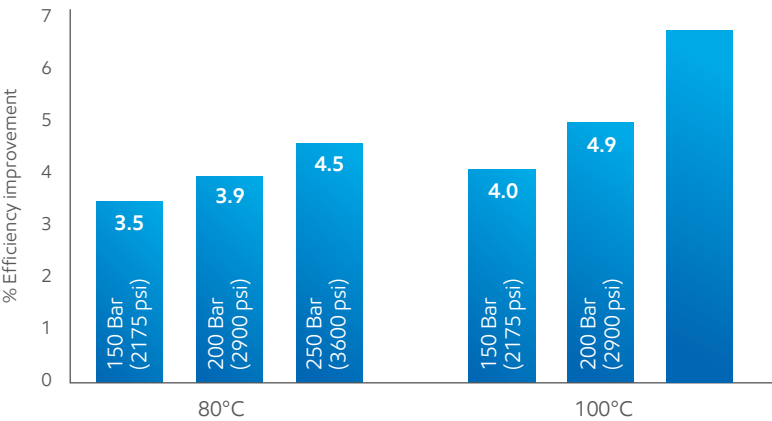
6%

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.

### Hydraulic efficiency – bench test

Overall efficiency results for Mobil DTE 10 Excel™



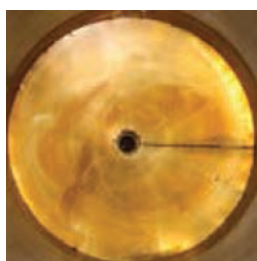
\*The energy efficiency of Mobil DTE 10 Excel relates solely to the fluid performance when compared to conventional Mobil-branded hydraulic fluids. The technology used allows up to 6% increase in hydraulic pump efficiency compared to Mobil DTE 20 series when tested in standard hydraulic applications 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

## Typical properties\*

| Mobil DTE 10 Excel Series                                | 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, 3 hrs @ 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    | -54    | -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   |

## Ultra keep-clean performance



Leading competitor  
750 hours



Mobil DTE 10 Excel™ Series  
2,500 hours

In demanding proprietary MHFD testing, Mobil DTE 10 Excel Series hydraulic oils outlast competitive mineral-based products, keeping systems cleaner more than three times longer.

### Industrial Lubricants



**Advancing  
Productivity™**

### Safety

With significantly enhanced oil and filter replacement intervals, Mobil DTE 10 Excel™ Series oils minimize the need for maintenance and its inherent safety risks arising from direct contact with equipment.

### Environmental Care†

Through exceptional hydraulic efficiency, Mobil DTE 10 Excel Series oils can potentially help reduce power consumption compared to standard hydraulic oils. Long lubricant life helps minimize the need for waste oil disposal.

### Productivity

By helping you achieve trouble-free equipment operation, Mobil DTE 10 Excel Series lubricants can help you achieve new heights of operational productivity.

\*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 Site. 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 Site to learn how certain Mobil-branded lubricants may provide benefits to help minimize environmental impact. Actual benefits will depend upon product selected, operating conditions and applications.

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