



## Product Data Sheet

### Mobil DTE 20 Series

## Stabilised Anti-wear Hydraulic Oils

### Product Description

A superior range of anti-wear 'keep clean' fluids formulated to meet ISO viscosity grade classifications 22, 32, 46, 68 and 100. They are blended from solvent refined, high viscosity index paraffinic base oils and contain a unique stabilised additive system which provides outstanding performance properties.

### Benefits

- Exceptional long life and 'keep clean' performance, coupled with good filterability characteristics.
- Excellent multi-metal compatibility under high temperature and/or water contamination.
- Excellent protection against rust and corrosion, wear and metal fatigue.
- Controlled demulsibility.
- Lower repair and maintenance costs due to less pump, motor and valve wear
- Improved machining accuracy and machine performance from immediate valve response.
- Increase production and high productivity at lower unit costs.
- Reduced working capital tied up in spares inventories.
- Higher operating profits.

### Application

Mobil DTE 20 Series are recommended for hydraulic systems, pumps and motors of all designs operating under normal as well as the most severe conditions. They are particularly suited for severe modern systems where high pressures, high operating temperatures, close tolerances and fine filtration are incorporated. (For systems incorporating silver coated components use one of the Mobil DTE Named Oils).

### Properties

Mobil DTE 20 Oils have excellent 'keep clean' characteristics. Special stabilisers eliminate or significantly delay formation of sticky deposits or harmful degradation products which even in minute concentrations interfere with control valves and cause filter plugging.

Mobil DTE 20 Oils are effective with any combination of steel, cast iron, aluminium and copper alloy - and prevent corrosion under high speed heavy duty service. They protect against metal fatigue and oxidation on iron and steel under high humidity of water contaminating conditions. The oil lightly absorbs on to the metal surface and so prevents rust and surface destruction.

Mobil DTE 20 Oils have a controlled demulsibility. They will hold small amounts of water in suspension and continue to operate well. On the other hand they separate readily from large volumes of water.

**Health & Safety Information**

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 01908 853618.

Typical physical characteristics of the Mobil DTE 20 Range are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications. They may be changed without notice due to continued product research and development.

**Characteristics - Mobil DTE 20 Series**

	<b>22</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>
ISO Viscosity Grade	22	32	46	68	100
Pour Point, °C	-30	-30	-21	-21	-15
Flash Point, °C	166	201	201	204	213
Viscosity cSt at 40 °C	19.8/22/0	28.8/32/0	41.4/46.0	61.2/68.0	90/100
Viscosity cSt at 100 °C	4.2	5.3	6.6	8.5	10.9
Viscosity Index	100	97	98	98	97