



## Mobil DTE™ 20 Series

Mobil Industrial , Barbados

Hydraulic Oils

### Product Description

Mobil DTE™ 20 Series oils are high performance anti-wear hydraulic oils.

They meet the stringent requirements of hydraulic systems using high pressure, high output pumps as well as other hydraulic system components such as close clearance servo-valves and numerically controlled (NC) machine tools.

These products met the most rigorous performance requirements of a wide range of hydraulic system and component manufacturers, allowing use of a single product with excellent performance characteristics.

### Features and Benefits

- Excellent oxidation stability helps reduce maintenance downtime and costs by contributing to system cleanliness and deposit reduction, enable long oil and filter life
- Enhanced anti-wear and corrosion protection of system components using various metallurgy help extend component life and improve production capacity
- Controlled demulsibility protects systems from small and large quantities of water
- Keep clean properties reduce system deposits and sludge help protect equipment and extend equipment life, reduce maintenance costs and improve total system performance
- Quality reserve maintains performance features even under severe service conditions and extended drain intervals

### Applications

- Hydraulic systems critical to deposit build-up or where sludge and deposits form with conventional products
- Hydraulic systems requiring a high load-carrying capability and anti-wear protection, and when thin oil-film corrosion protection is an asset
- Where small amounts of water are unavoidable
- Systems containing gears and bearings
- Machines employing a wide range of components using various metallurgy

### Specifications and Approvals

This product has the following approvals:	MOBIL DTE 22	MOBIL DTE 24	MOBIL DTE 25	MOBIL DTE 26
Denison HF-0		X	X	X
Husky HS 207			X	

This product is recommended for use in applications requiring:				
Eaton I-286-S		X	X	X

<b>This product is recommended for use in applications requiring:</b>				
Eaton M-2950-S		X	X	X
Fives Cincinnati P-68		X		
Fives Cincinnati P-69				X
Fives Cincinnati P-70			X	

<b>This product meets or exceeds the requirements of:</b>				
DIN 51524-2:2006-09	X	X	X	X

### Properties and Specifications

<b>Property</b>	<b>MOBIL DTE 21</b>	<b>MOBIL DTE 22</b>	<b>MOBIL DTE 24</b>	<b>MOBIL DTE 25</b>	<b>MOBIL DTE 26</b>	<b>MOBIL DTE 27</b>	<b>MOBIL DTE 28</b>
Grade	ISO VG 10	ISO VG 22	ISO VG 32	ISO VG 46	ISO VG 68	ISO VG 100	ISO VG 150
Copper Strip Corrosion, 3 h, 100 C, Rating, ASTM D130	1B	1B	1B	1B	1B	1B	1B
FZG Scuffing, Fail Load Stage, A/8.3/90, ISO 14635-1			12	12	12	12	12
Flash Point, Cleveland Open Cup, °C, ASTM D92	174	200	220	232	236	248	276
Foam, Sequence I, Stability, ml, ASTM D892	0	0	0	0	0	0	0
Foam, Sequence I, Tendency, ml, ASTM D892	20	20	20	20	20	20	20
Foam, Sequence II, Stability, ml, ASTM D892	0	0	0	0	0	0	0
Foam, Sequence II, Tendency, ml, ASTM D892	20	20	20	20	20	20	20
Foam, Sequence III, Stability, ml, ASTM D892	0	0	0	0	0	0	0
Foam, Sequence III, Tendency, ml, ASTM D892	20	20	20	20	20	20	20
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	2.7	4.5	5.3	6.7	8.5	10.9	14.3
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	10	21	31.5	44.2	71.2	95.3	142.8
Pour Point, °C, ASTM D97	-30	-30	-27	-27	-21	-21	-15
Rust Characteristics, Procedure B, ASTM D665	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Viscosity Index, ASTM D2270	98	98	98	98	98	98	98

### Health and Safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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