Mobil DTE™ 20 Series

Mobil Industrial , Japan

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	MOBIL DTE 27
Denison HF-0		X	X	X	
Fives Cincinnati P-68		X			
HOCNF Norway-NEMS, Black		X	X	X	X
Husky HS 207			X		

This product is recommended for use in applications requiring:	MOBIL DTE 22	MOBIL DTE 24	MOBIL DTE 25	MOBIL DTE 26	MOBIL DTE 27

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Eaton I-286-S		X	X	X	
Eaton M-2950-S		X	X	X	

This product meets or exceeds the requirements of:	MOBIL DTE 22	MOBIL DTE 24	MOBIL DTE 25	MOBIL DTE 26	MOBIL DTE 27
DIN 51524-2:2006-09	X	X	X	X	

Properties and Specifications

Property	MOBIL DTE 21	MOBIL DTE 22	MOBIL DTE 24	MOBIL DTE 25	MOBIL DTE 26	MOBIL DTE 27	MOBIL DTE 28
Grade	ISO 10	ISO 22	ISO 32	ISO 46	ISO 68	ISO 100	ISO 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, mm2/s, ASTM D445	2.7	4.5	5.3	6.7	8.5	10.9	14.3
Kinematic Viscosity @ 40 C, mm2/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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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 www.exxonmobil.com

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