

Mobil DTE™ 20 Series Typical properties

	MOBIL DTE 21	MOBIL DTE 22	MOBIL DTE 24	MOBIL DTE 25	MOBIL DTE 26	MOBIL DTE 27	MOBIL DTE 28
ISO VG,	10	22	32	46	68	100	150
Viscosity, ASTM D445							
cSt @ 100°C	2.7	4.5	5.3	6.7	8.5	10.9	14.3
cSt @ 40°C	10	21	31.5	44.2	71.2	95.3	142.8
Viscosity Index, ASTM D2270	98	98	98	98	98	98	98
Pour Point, °C, ASTM D97	-30	-30	-27	-27	-21	-21	-15
Flash Point, COC, ASTM D92	174	200	220	232	236	248	276
Foam, Seq I, Tendency/Stability, ASTM D892	20/0	20/0	20/0	20/0	20/0	20/0	20/0
Foam, Seq II, Tendency/Stability, ASTM D892	20/0	20/0	20/0	20/0	20/0	20/0	20/0
Foam, Seq III, Tendency/Stability, ASTM D892	20/0	20/0	20/0	20/0	20/0	20/0	20/0
Copper strip corrosion, 3 hrs @ 100°C, ASTM D130	1B	1B	1B	1B	1B	1B	1B
Rust protection Proc B, ASTM D665	PASS	PASS	PASS	PASS	PASS	PASS	PASS
****FZG Failure Load Stage, ISO 14635-1(mod)			12	12	12	12	12

- 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

Mobil DTE Named Series Typical properties

Mobil DTE Named Series	Mobil DTE Light	Mobil DTE Medium	Mobil DTE Heavy Medium	Mobil DTE Heavy
ISO Viscosity Grade	32	46	68	100
Viscosity, ASTM D 445				
cSt @ 40° C	31	44.5	65.1	95.1
cSt @ 100° C	5.5	6.9	8.7	10.9
Viscosity Index, ASTM D 2270	102	98	95	92
Pour Point, °C, ASTM D 97	-18	-15	-15	-15
Flash Point, °C, ASTM D 92	218	221	223	237
Density @15° C kg/l, ASTM D 4052	0.85	0.86	0.87	0.88
TOST, ASTM D 943, Hours to 2 NN	5000	3700	4500	4500
Rust Prevention, ASTM D 665:				
Distilled Water	Pass	Pass	Pass	Pass
Sea Water	Pass	Pass	Pass	Pass
Water Seperability, ASTM D 1401,Min. to 3 ml emulsion @ 54°C	15	15	20	30
Copper Strip Corrosion, ASTM D 130,3 hrs @ 121° C	1B	1B	1B	1B
Foam Test, ASTM D 892, Seq I Tendency/stability, ml/ml	20/0	50/0	50/0	50/0

The Mobil DTE Oil Named Series of lubricants are premium performance circulating lubricants designed for applications where long lubricant service life is required. Specific applications include:

- Land-based and marine steam turbine, hydro turbine and some gas turbine circulation systems, including pumps, valves and other ancillary equipment
- Continuous service in plain and roller bearings and parallel shaft gearing
- Turbines with oil supplied by splash, bath, ring oiling or other mechanical means
- Moderate severity hydraulic pumps
- Compressors and vacuum pumps handling air, natural gas, and inert gases, and with discharge temperatures not exceeding 150C