

# Mobil

## Product Data Sheet

# Mobil DTE 20 Series

Premium Antiwear Hydraulic Oils

## Product Description

Mobil DTE 20 Series are premium-quality hydraulic oils developed in cooperation with pump and component manufacturers specifically for severe hydraulic systems using high-pressure, high-output pumps. They are formulated from stable, high quality, high-VI base stocks and additives which provide the superior antiwear and film strength and other performance characteristics necessary for critical hydraulic systems.

## Benefits

Mobil DTE 20 Series offer the following benefits:

- Excellent keep-clean performance for systems critical to deposit build-up, such as sophisticated NC machines
- Outstanding load-carrying and antiwear properties providing superior protection against wear
- Controlled demulsibility allowing the oils to work well when contaminated with small amounts of water but separate large amounts of water readily
- Multimetal compatibility under both wet and dry conditions, protecting pumps using steel and copper alloys
- Excellent protection against rust; good thin oil film protection for surfaces intermittently wetted by oil

## Applications

Their super-stabilized additive system neutralizes the formation of corrosive materials, provides excellent antiwear properties and multimetal compatibility. It also provides better thin oil film protection against rusting, retention of superior oil and system cleanliness and improved compatibility with water.

The Mobil DTE 20 Series are approved in the Denison HFO, Vickers V-104C and 35VQ25, and Sundstrand pump tests. Their 12-stage rating in the FZG Gear Test demonstrates a high level of protection against wear and scuffing. Mobil DTE 24, 25 and 26 are approved by Cincinnati Milacron against specifications P-68, P-70, and P-69 respectively.

## Typical Properties

Mobil DTE		21	22	24	25	26	27	28
Product Code		970840	970516	970972	970826	970101	970943	973456
	Test Method							
ISO VG		10	22	32	46	68	100	150
Viscosity	ASTM D445							
cSt at 40°C		11	22	32	46	68	95	142
cSt at 100°C		2.9	4.5	5.3	6.7	8.5	10.9	13.1
Viscosity Index	ASTM D2270	95	95	95	95	95	95	95
Pour Point, °C	ASTM D97	-30	-27	-23	-23	-23	-23	-12
Flash Point, °C	ASTM D92	170	202	202	202	204	213	213
Specific Gravity	ASTM D1298	0.85	0.86	0.87	0.87	0.88	0.89	0.89
Rust Protection	ASTM D665							
Distilled Water		Pass						
Synthetic Sea Water		Pass						
Foam	ASTM D892	50/0	50/0	50/0	50/0	50/0	50/0	50/0
FZG Gear Test Failure Stage	DIN 51354	12+	12+	12+	12+	12+	12+	12+

## Health & Safety

Based on available toxicological information, these products produce no adverse effects on health when properly handled and used. No special precautions are suggested beyond attention to good personal hygiene, including laundering oil-soaked clothing and washing skin contact areas with soap and water. Additional health and safety information on these products, including Mobil Material Safety Data Bulletins, is available on request from your local Mobil Company.