

ExxonMobil 21 Mobil DTE 20 Series

Category : Fluid , Lubricant

Material Notes:

Mobil DTE 20 Series oils are supreme performance anti-wear hydraulic oils designed to satisfy a wide range of hydraulic equipment requirements. They provide long oil/filter life and optimum equipment protection reducing both maintenance costs and product disposal costs. They were developed in conjunction with the major builders to meet the stringent requirements of severe hydraulic systems using high pressure, high output pumps as well as handling the critical requirements of other hydraulic system components such as close clearance servo-valves and the high accuracy numerically controlled (NC) machine tools. These products meet the most rigorous performance requirements of a wide range of hydraulic system and component manufacturers using various multi-metallurgy designs allowing a single product with outstanding performance characteristics. The DTE 20 Series oils are formulated with high quality base oils and a super-stabilised additive system that neutralises the formation of corrosive materials. They are designed to work with systems operating under severe conditions where high levels of antiwear and film strength protection are needed, yet they are formulated to work where non-antiwear hydraulic oils are generally recommended. Hydraulic systems critical to deposit build-up such as sophisticated Numerically Controlled (NC) machines, particularly where close clearance servo-valves are used; Where small amounts of water are unavoidable; Applications where sludges and deposits form with conventional products; In systems containing gears and bearings; Systems requiring a high degree of load-carrying capability and anti-wear protection; Applications where thin oil-film corrosion protection is an asset such as systems where small amounts of water are unavoidable; Machines employing a wide range of components using various metallurgy

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http://www.lookpolymers.com/polymer_ExxonMobil-21-Mobil-DTE-20-Series.php

| Physical Properties | Metric | English | Comments |
|--------------------------------------|------------|------------|--------------------|
| Specific Gravity | 0.845 g/cc | 0.845 g/cc | 15.6°C; ASTM D1298 |
| Viscosity Measurement | 98 | 98 | Index; ASTM D2270 |
| Kinematic Viscosity at 40°C (104°F) | 10 cSt | 10 cSt | ASTM D445 |
| Kinematic Viscosity at 100°C (212°F) | 2.74 cSt | 2.74 cSt | ASTM D445 |

| Thermal Properties | Metric | English | Comments |
|--------------------|----------|----------|----------|
| Pour Point | -30.0 °C | -22.0 °F | ASTM D97 |
| Flash Point | 174 °C | 345 °F | ASTM D92 |

| Descriptive Properties | Value | Comments |
|-----------------------------|-------|---------------|
| Copper Strip Corrosion | 1B | 3 hrs @ 100°C |
| Foam Sequence I, ASTM D897 | 20/0 | |
| Foam Sequence II, ASTM D893 | 20/0 | |

| Foam Sequence III, ASTM D893 Descriptive Properties | 20/0 Value | Comments |
|--|---------------|------------|
| Rust Prevention, Synthetic Sea Water | pass | ASTM D665B |

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