

GUARDTECH

20W50 CF-4

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11247

Universal motor oil, suitable for 4-stroke gasoline and diesel engines between 1989 and 1994. It combines the following characteristics : very high resistance to oxidation, good detergent and dispersant properties; a great ability to neutralize acids and a high lubricity.

APPLICATIONS

Universal all year motor oil, intended for transport and construction. This oil is especially recommended for mixed fleets (cars and trucks). It can be used in all regions in diesel engines with natural aspiration or turbocharging and all gasoline engines.

FEATURES

Total engine protection : performance in keeping the engine clean.

SPECIFICATION LEVEL

| | | | |
|-------------|----------|-------|---------------|
| ALLISON | C4 Level | MB | 227.1 |
| API | CF-4/SG | MIL | MIL-L-2104 E |
| CATERPILLAR | TO-2 | MIL | MIL-L-46152 D |
| MAN | 271 | VOLVO | VDS level |

TYPICAL CHARACTERISTICS

| Test | Method | Unit | Average results |
|------------------------------|------------|----------|-----------------|
| Density at 15°C | ASTM D4052 | g/ml | 0.886 |
| Kinematic viscosity at 40°C | ASTM D445 | mm²/s | 170 |
| Kinematic viscosity at 100°C | ASTM D445 | mm²/s | 18.2 |
| Viscosity index | ASTM D2270 | | 119 |
| B.N. (HClO4 method) | ASTM D2896 | mg KOH/g | 6.3 |
| Pour point | ASTM D6892 | °C | -24 |
| CCS viscosity at -15°C | ASTM D5293 | mPa.s | 9100 |
| Sulfated Ash | ASTM D874 | Mass % | 0.7 |
| Flash Point COC | ASTM D92 | °C | 235 |

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.

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