

CHAMPION ACTIVE DEFENCE

SAE 30 CF-4/SG

Universal mineral oil of high quality, suitable for diesel engines (supercharged or naturally aspirated) and gasoline engines operating in cold climatic conditions.

APPLICATIONS

This oil is particularly recommended for fixed diesel engines, material for public works and mixed fleets of trucks and cars.

FEATURES

Total engine protection: performance in keeping the engine clean

PERFORMANCE

| | | | |
|--------------------|-----------|------------|----------------|
| ACEA | E2/E1 | MB | 227.0 |
| API | CF-4/SG | MB | 228.0 |
| MIL | L-2104 E | MTU | Oil Category 1 |
| MIL | L-46152 E | ZF | TE-ML 03A |
| ALLISON | C4 | ZF | TE-ML 04A |
| CATERPILLAR | T0-2 | ZF | TE-ML 04B |
| MAN | 270 | ZF | TE-ML 07D |

TYPICAL CHARACTERISTICS

| Test | Method | Unit | Average results |
|------------------------------|------------|----------|-----------------|
| Density at 15°C | ASTM D4052 | g/ml | 0.890 |
| Kinematic viscosity at 40°C | ASTM D445 | mm²/s | 103 |
| Kinematic viscosity at 100°C | ASTM D445 | mm²/s | 11.8 |
| Viscosity index | ASTM D2270 | | 103 |
| B.N. (HCL04 method) | ASTM D2896 | mg KOH/g | 7.0 |
| Pour point | ASTM D6892 | °C | -42 |
| Sulfated Ash | ASTM D874 | Mass % | 0.88 |
| 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.

CHAMPION CHEMICALS NV

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