# Muller

## 20W50 CH4

## SUPER DIESEL PLUS

**Muller-CH-4 is a premium top quality automotive engine oil meeting obsolete, current and future engine oil performance level, it's a sever duty engine oil formulated special for high speed, four stroke diesel engines designed to meet exhaust emission standards, particularly European and American standard. IT is an ideal mixed fleet engine oil meeting API CH-4/SL/SJ and ACEA E3/E2/A3/B3/B4. The additive chemistry used in the manufacturing has proven its performance in the field.**

### APPLICATIONS

Muller -CH-4 his oil can be used as mixed fleet engine oil for heavy duty diesel vehicles and passenger cars. Its long drain capability meets the requirement of VOLVO, SCANIA, MAN, MERCEDES-BENZ, RVI/MACK, CATERPILLAR, RENAULT and CUMMINS manufacturers. It is recommended for both on-highway and off highway vehicles fitted with new engines for low emissions and old engines of conventional design fueled by low and high sulfur diesel fuels.

### FEATURES

Mixed fleet engine oil for American, European and Japanese vehicles. Universal engine oil for old and new diesel engines filled by both high and low sulfur diesel. Proven field tested engine oil with extended drain period capability. Effective control over high temperature piston deposits and soot accumulation. Excellent TBN retention for high sulfur diesel fuel operation.

### SPECIFICATION LEVEL

Muller- CH-4/SL/SJ meets and exceeds the requirements of API CH-4/CG-4/CF-4/SJ. ACEA; E3, E5/ E7. MB-228.3/229.1, SCANIA E3. MAN 271, VOLVO VDS-2. GM ALLISON C-4, CUMMINS CES 20071, 20072, 20075.

### TYPICAL CHARACTERISTICS

| Test | Method | Unit | Average results |
|---|---|---|---|
| Kinematic viscosity at 100°C | ASTM D445 | mm2/s | 18.8 |
| Viscosity index | ASTM D2270 | - | 140 |
| Pour point | ASTM D6892 | °C | -24 |
| Flash Point COC | ASTM D92 | °C | 240 |
| TBN | ASTM D2896 | mg KOH/g | 11.0 |
| Apparent Viscosity, cP | ASTM D5293 | mPa.s | 7500 |

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

energy **API**®

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