

## Description

MAG 1 15W40 CK-4/SN 10 TBN <N

Inspection Information	Test Method	Typical Value
Gravity, °API	ASTM D287	31.37
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8688
Viscosity @ 40°C, cSt	ASTM D445	113.8
Viscosity @ 100°C, cSt	ASTM D445	15.54
Viscosity Index	ASTM D2270	144
Pour Point, °C (°F)	ASTM D5950	-36°C (-33°F)
Cold Cranking Simulator at (°C), cP	ASTM D5293	5466 (-20)
High Temperature / High Shear Vis at 150°C, cP	ASTM D5481	4.2
Noack Volatility, % loss	ASTM D6375	10
Color	ASTM D1500	3
Zinc, wt. %	ASTM D5185	0.127
Phosphorus, wt. %	ASTM D5185	0.115
Calcium, wt. %	ASTM D5185	0.105
Sulfur, wt. %	ASTM D4951	0.32
Magnesium, wt. %	ASTM D5185	0.1
Molybdenum, wt. %	ASTM D5185	0.0066
Sulfated Ash, wt. %	ASTM D874	0.99
Nitrogen, wt. %	ASTM D4629	0.105
Pumping Viscosity at (°C), cP	ASTM D4684	20,000 (-25)
Total Acid Number, mgKOH/g	ASTM D664	2.9
TBN, mgKOH/g	ASTM D2896	10



## Claims Information

API SN	Approved
API SM	Meets Requirements
API SL	Meets Requirements
API SH, SG, SF, SE, SD, SC	Meets Requirements
API CK-4	Approved
Chrysler/Fiat MS-10902	Meets Requirements
API CJ-4	Approved
API CI-4 Plus, CI-4, CH-4, CG-4, CF-2, CF	Meets Requirements
Ford WSS-M2C171-F1	Meets Requirements
Ford WSS-M2C171-E	Meets Requirements
Mack EO-O Premium Plus, EO-N Premium Plus 03, EO-M Plus, and prior	Meets Requirements
Mack EOS-4.5	Meets Requirements
CAT ECF-3, ECF-2, ECF-1-a	Meets Requirements
Cummins CES 20081, 20077, 20076	Meets Requirements
Cummins 20086	Meets Requirements
Detroit Diesel 93K218, 93K215, 93K214	Meets Requirements
Detroit Diesel 93K222	Meets Requirements
CID A-A-52306, MIL-PRF-2104G	Meets Requirements
MAN 3275, 270	Meets Requirements
MAN 3575	Meets Requirements
MB 228.3, 228.31	Meets Requirements
MTU Type I, Type II	Meets Requirements
MTU 2.1	Meets Requirements
Renault RLD-4	Meets Requirements
Volvo VDS-4, 3, 2	Meets Requirements
Volvo VDS-4.5	Meets Requirements
Global DHD-1	Meets Requirements
JASO DH-2	Meets Requirements
ACEA E9, E7, E4, E2	Meets Requirements
Allison C-4	Suitable for Use