

Motosel SAE 10W-30

Heavy Duty DIESEL ENGINE OIL

Motosel CK-4 Full Synthetic Heavy Duty SAE 10W-30 Diesel Engine Oil is a high-performance engine oil designed to meet 2017 and newer on-highway and Tier 4 exhaust emission standards. It provides enhanced protection against wear, oxidation, shear viscosity loss, low and high temperature degradation, soot related thickening as well as protection against particulate filter blocking and catalyst poisoning. It outperforms conventional motor oil and is recommended for naturally aspirated, turbocharged or supercharged diesel, gasoline, or propane truck, sport utility vehicle, passenger car and other mobile or stationary engines.

Motosel CK-4 Full Synthetic Heavy Duty SAE 10W-30 Diesel Engine Oil meets or exceeds CK-4/SN service classifications and is compatible with all prior categories. It has been field tested to be comparable to most American, Asian, and European manufacturers' standards including ACEA E7-16, ACEA E9-16, Ford WSS-M2C171-E, WSS-M2C171-F1, Renault RLD-4, Detroit Diesel DFS 93K218, Allison C-4, Caterpillar ECF-3, MACK EO-O Premium Plus, and many other OEM's specifications where a full synthetic SAE 10W-30 CK-4 engine oil is recommended. Always check your owner's manual for proper service recommendations.

Benefits and Applications

- For diesel and gasoline engines, promotes long engine life
- Exceeds CK-4 / SN service classifications

Meets the following performance specification :

- 10W30 CK-4**
- ACEA – European Service Categories E9, E7, E4, E2
 - API Service Categories – CK-4, CJ-4, CI-4 PLUS, CI-4 (and previous)
 - Caterpillar® – ECF-3, ECF-2, ECF-1a
 - Cummins® – CES 20086, 20081, 20078, 20077, 20076
 - Daimler – MB 228.31, 228-3
 - Detroit Diesel® – 93K222, 93K218, 93K215, 93K214
 - Deutz – DQC III-IOLA
 - FORD – WSS-M2C171-F1, WSS-M2C171-E
 - Global – DHD-1
 - JASO – DH-2
 - Mack® – EOS-4.5, EO-O Premium Plus, EO-N Premium Plus, EO-M
 - MAN – 3275, 3575
 - MTU – Type 2.1, Type I, Type II
 - Renault® – VI RLD-4, RLD-3
 - Volvo® – VDS-4.5, VDS-4, VDS-3, VDS-2
 - CID A-A-52306 / MIL-PRF-2104G
- Other suitable uses include (but not limited to):
- Caterpillar – TO-2
 - Allison® – C-4
 - ZF – TE-ML 03K



- #M-0454 / 4L
- #M-0453 / 5Gal
- #M-0421 / 16Gal
- #M-0095 / 208L Drum
- #M-0204 / Bulk

TYPICAL CHARACTERISTICS - SAE 10W-30

SAE GRADE	FULL SYN	10W-30
API SERVICE		CK-4 / SN
API Gravity	ASTM D287	31.42
Flash Point, COC °C/°F	ASTM D92	235 / 455
Pour Point, °C/°F	ASTM D97	-39 / -38.2
Viscosity @ 40°C, cSt	ASTM D445	82.18
Viscosity @ 100°C, cS	ASTM D445	11.98
Viscosity Index	ASTM D2270	140
CCS, mPa-sec °C max	ASTM D5293	6316 @ -25
Total Base No. TBN	ASTM D2896	9.0

Typical test data are average values only. Minor variations, which do not affect performance, may occur. You should consult your owner's manual to verify proper fluid recommendation for your particular vehicle.

HANDLING AND SAFETY INFORMATION - Refer to MOTOSEL (SDS) Safety Data Sheets for proper handling and safety information. Use the same care and handling as for any petroleum product. Nothing herein shall be deemed to constitute a warranty, express or implied, that said information or data are correct or that the products described are merchantable or fit for a particular purpose, or that said information, data or products can be used without infringing patents of third parties.

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