

Heavy Duty Diesel Engine Oils

Extreme-Duty Synthetic-Blend 15W40, 10W-30 - Extreme-Duty 10, 30, 40

(09/17/18 edition)

Wolf's Head Extreme Duty Synthetic-Blend 15W40 & 20W-50 Motor Oils are premium high-performance diesel engine oils utilizing the latest in engine oil additive technology to offer the ultimate protection of your engine. Designed to meet or exceed the latest OEM and API CK-4 requirements, they are backwards compatible to previous OEM and API specifications such as CJ-4, CI-4, CI-4+, and CH-4. Available as a synthetic blend 20W-50 and 15W-40 SAE Grades these oils are specially designed to protect EGR/Low-Emission Diesel Engines while maximizing the durability of Diesel Particulate Filters (DPF's). Both oils meet API SN specification requirements for mixed fleet use. They are recommended for use in a wide range of heavy-duty applications and operating environments found on-and off-highway, including engines operating under heavy loads. They are formulated for extended service/extended drain when operated under typical operating conditions. Wolf's Head CK-4 Engine Oils offer improved TBN retention, lower oil consumption, greater wear protection, oxidation stability, excellent shear stability, and reduced high temperature deposits.

These oils exceed Mack EOS 4.5 and meet prior specifications for EO-N Premium Plus, EO-M Plus, and EO-M. They are registered to Detroit Diesel 93K222 and meet 93K218, 93K215, and 93K214; Cummins CES 20086, 20081, 20078, 20077, 20076. They meet Allison C4 and C3 fluids and Caterpillar ECF-3, ECF-2, ECF-1, TO-2. They are also registered or meet the following European and Asian approval standards: Volvo VDS-4.5, VDS-4, VDS-3, VDS-2, Global DHD-1; JASO DH-2 and DH-1. This oil is engineered to be robust enough to meet MB 228.5, 228.3, 228.1, 227.1; Man 3575; MTU Type 2.1; ACEA E9, E7, E4, E2, A3/B4, A3B3; and Renault RLD-4. This highly advanced diesel engine oil is recommended for use in MIL L 2104-H, MIL L 46152-E, and CID A-A-52306 applications.

Wolfs Head Extreme-Duty Engine Oils have been improved and upgraded to be among the best and most efficient diesel engine oils available to the fleet market. New additive systems and rigorous laboratory and field testing have proven that these new Wolfs Head Extreme-Duty Engine Oils are up to the task of protecting your engine; helping your engine operate within the new emission and pollution requirements as well as meeting or exceeding the OEM requirements for almost every new engine being built by every engine manufacturer worldwide. The new high performance Wolfs Head Extreme-Duty Engine Oils are specifically engineered to meet the manufacturers' prerequisite for performance, TBN, and balanced low ash requirements. They will deliver superior long-lasting protection for both turbocharged and naturally aspirated diesel and gasoline engines. They are formulated for extended service/extended drain when operated under typical operating conditions and are engineered to help promote fuel economy.

TYPICAL INSPECTION DATA

	API Gravity	Flash Point C.	Viscosity cSt @100C	Viscosity cSt @40C	VI	Pour Point, C.	TBN (D-2896)
Extreme-Duty Synthetic Blend							
15W-40 *	29.6	215	15.80	115.0	145	-35	10
20W-50 *	28.5	240	18.0	155.0	130	-30	10
Extreme-Duty							
10	29.5	190	6.60	37.0	140	-33	13
30	28.5	220	11.20	88.0	116	-21	13
40	28.0	230	14.50	133.0	109	-18	13

* Also meets 1% maximum ash requirements

PERFORMANCE APPLICATION CHART

SPECIFICATIONS	Extreme Duty 15W-40/20W-50	Extreme Duty 10, 30, 40
API: CK-4/SN	√	-
CJ-4, CI-4 Plus	√	-
CI-4, CH-4, CG-4	√	-
CF-4	√	-
CF-2 [1] CF/CD	√	√
SL/SJ/SH [2]	√	√
Allison C-4, C-3	√	√
Mil-PRF-2104H(AA52306)	√	√
Mil-L-2104-B, Mil-L-46152	√	√
Caterpillar TO-2	√	√
ECF-3	√	-
ECF-2	√	-
ECF-1, SEBU 6250	√	-
Mack EOS-4.5	√	-
EO-N Premium Plus 07, 03	√	-
EO-N Premium Plus	√	-
EO-M, EO-M Plus	√	-
Cummins CES 20086	√	-
CES 20081, 20078, 76, 71	√	-
CES 20077, 72	√	-
JASO DH-2	√	-
DH-1	√	-
Global DHD-1	√	-
Navistar TSI-99-12	√	SAE 30
Detroit Diesel 93K222, 93K218,	√	-
93K215, 93K214	√	-
7SE270 [3]	√	√
Daimler Chrysler 228.31	√	-
DC(MB) 228.3, 228.2	√	-
DC(MB) 228.1, 228.0	-	√
ACEA A5/B5, A3/B4, A3/B3, A1/B1	√	A2, B2
E9, E7, 6, 5, 4, 3, 2, 1	√	E1, 2
Volvo VDS-4.5	√	-
VDS-4	√	-
VDS-3	√	-
Renault RDL-4, RDL-3	√	-
Man 3575, 3275/3277	√	-
270/271	√	-
MTU Type 2.1, Type II, Type III	√	-
Type I	√	√

NOTES:

[1]= CF-2 primary recommendation for two-cycle engines; single grades.

[2]= Above Preferred Phosphorus level of API SL/SJ.

[3]= Multigrade oils recommended for four-cycle engines, single grade oils for two-cycle engines