



Imperial API Heavy Duty Crankcase Oils

Description:

- Imperial Heavy-Duty SAE 30, SAE 40 and 15W40 are high performance oils formulated for a wide range of high specific output gasoline and diesel engines.
- Imperial Heavy-Duty oils are manufactured using high quality hydro-cracked, high viscosity index base stocks and select additives to provide superior thermal and oxidative stability, corrosion and valve train-wear protection, and will prevent the formation and accumulation of deposits and sludge.

Typical Applications:

- Imperial Heavy-Duty oils are acceptable for use in passenger cars, trucks and heavy equipment where the manufacturer recommends an API SL/CI-4 performance rating.
- Imperial Heavy-Duty Oils (depending on grade specified) meet the following specifications:

API CI4, CH4, CG4, CF4, CF, SL	MACK EOM, EO-L, EOL+
Cummins CES 20072, 20076,20071,20077,20078	ACEA E3, B3, A3
Volvo VDS/VDS-2	Mercedes Benz 228.1, 228.3
Man 271, 3275	MTU Types 1 and 2
Detroit Diesel 75E270	Navistar TSE-97-12-03
Allison C4	Caterpillar TO-2

Physical Properties:

Viscosity Grade	SAE 30	SAE 40	15W40
Specific Gravity @ 60°F (15.6°C)	0.8835	0.8881	0.8782
Viscosity, @ 40°C, cSt	95.0	131.0	116
Viscosity, @ 100°C, cSt	11.4	14.0	15.0
Viscosity Index	108	104	135
Flash Point (PMCC), °C	>170	>170	>170
TBN	11.5	11.5	11.5
Sulfated Ash, wt%	1.34	1.34	1.35

“Success is in the Details”

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