



WT OIL & GAS

Empowering Energy, Fueling Progress

WT OIL - API: CK-4/SN SYNTHETIC / SEMI SYNTHETIC / MINERAL

DESCRIPTION:

WT Oil CK-4/SN is an advanced heavy-duty diesel engine oil that is specifically engineered to deliver longer oil drain intervals. It helps extend engine life in the most severe on and off-highway applications while delivering outstanding performance in modern high output low-emission engines fitted with EGR. It is also compatible with the latest exhaust after-treatment systems such as DPF, DOC and SCR. The exceptional low temperature fluidity and pumpability in combination with the sophisticated additive system, ensures maximum engine wear protection and supports longer engine life.

APPLICATION:

It is recommended for Heavy Duty Diesel Engines including Euro V/VI Modern Low Emissions Vehicles, Utilizing Technologies such as Diesel Particulate Filter (DPF), Selective Catalytic Reduction (SCR), Continuously Regenerating Traps (CRT), Diesel Oxidation Catalysts (DOC) and Exhaust Gas Recirculation (EGR). It is also recommended for High-performance diesel applications including turbo-charged designs featuring EGR Technology and diesel applications using older, naturally aspirated conventional designs. On highway heavy-duty trucking and off-highway including construction, mining, quarrying, and agriculture.

FEATURES & BENEFITS:

- Excellent control of oil thickening due to soot build-up
- Outstanding TBN retention for long drain intervals
- Outstanding resistance to oil consumption, oxidation, corrosive and abrasive wear
- Designed to control aeration exceptionally
- Excellent shear stability
- Improved oxidation stability

PERFORMANCE LEVELS / MEETS OR EXCEEDS:

- API CK-4/SN
- Volvo VDS-4.5
- MAN M3775
- Mack EOS-4.5
- Ford WSS-M2C171-F1
- ACEA E9
- Cummins CES 20086
- Deutz DQC III-18 LA
- DDC 93K222
- Caterpillar ECF-3
- MB 228.31
- Renault RLD-3
- MTU Type 2.1

TYPICAL PERFORMANCE:

PARAMETERS	ASTM	UNIT	WT OIL CK-4/SN							
			0W-30	0W-40	5W-30	5W-40	10W-30	10W-40	15W-40	
SAE Grade										
Kinematic Viscosity @ 104°F /40°C	D-7042	cSt	67.1	88.5	68.85	91.45	74.95	102.3	114.1	
Kinematic Viscosity @ 212°F /100°C	D-7042	cSt	11.9	15.1	11.9	15.1	11.8	15.2	15.3	
Viscosity Index	D-2270	-	176	181	171	175	153	157	141	
SP. Gravity @15°C/ 60°F	D-4052	g/cm3	0.848	0.845	0.859	0.859	0.874	0.873	0.885	
Flash Point (min)	D-92	°C	228	228	230	230	232	232	234	
Pour Point (max)	D-97	°C	-42	-42	-42	-42	-39	-39	-33	
TBN	D-2896	Mg KOH/g	8	8	8	8	8	8	8	
CCS, (°C)	D-5293	m.Pa.S	6200 (-35°C)	6200 (-35°C)	6600 (-30°C)	6600 (-30°C)	7000 (-25°C)	7000 (-25°C)	7000 (-20°C)	

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