

SHIELD



API Service Classification: CH-4/SJ

Performance Level:

ACEA04-E2, ACEA02-E2/B3/A2, M B 228.1, M B 229.1, M AN 271, M TU Oil Category (O S172661 only CAT ECF 1) Volvo VDS/VDS-2, Mack EO -M Plus, Cummins CES 20,071/6, Allison C4, ZF TE-M L 07C/04C

Product Description:

Premium heavy duty multi-grade diesel engine oil confirming to API performance level CH-4/SJ. It is blended from highly refined paraffinic base stock fortified with carefully selected additive package technology. Specially designed to provide exceptional protection against soot formation tendency in engines designed to meet exhaust emission standards. The excellent additive package ensures longer engine life through outstanding protection against high-temperature piston deposits, engine wear, bearing corrosion, and oil thickening.

Main Benefits:

- ❖ Outstanding engine protection against soot formation.
- ❖ Excellent control on wear and deposit formation.
- ❖ A multi fleet oil for both diesel & gasoline engines.
- ❖ Extended drain interval

Application:

Recommended for use in high speed, four-stroke, naturally aspirated or turbo charged diesel and gasoline engines. It gives outstanding service in off and on highway, heavy duty vehicles.

Physical Characteristics		Test Method		Typical Values			
SAE Grade				10W/40	15w/40	20w/50	15W/50
Specific Gravity @ 60/60 F		ASTM D-4052		0.8717	0.8850	0.8890	0.8860
Kinematic Viscosity		ASTM D-445					
@ 40 °C, cSt				95.67	116.50	175.50	172.50
@ 100 °C, cSt				14.15	15.50	19.50	19.50
Viscosity Index		ASTM D-2270		152	140	127	130
Flash Point, COC, C		ASTM D-92		218	228	234	230
Pour Point, C		ASTM D-97		-33	-27	-24	-27
TBN mg KOH/g		ASTM D-2896		12.50	12.00	12.00	12.00