



API Service Classification: CI-4/SJ

Performance Level:

ACEA04-E7/A3/B3/B4, ACEA02 E5/E3/B3/B4/A3 MB 228.3 MB 229.1, MAN M3275, VOLVO VDS-3, RVI RLD-2, DHD-1, Mack EO-M Plus, ZF TE-ML 07C/04C, CAT ECF 1 Cummins CES 20,072/1/6/7/8

Product Description:

Extra high performance engine oil offering exceptional performance level to satisfy the most demanding modern designs of diesel engines operating under all conditions. It provides effective protection against soot build-up in current high-output diesel engines designed to comply with low-emission standards including those equipped EGR. The product offers maximum protection against soot generation and high temperature deposits formation. It provides effective resistance against oxidation, corrosion and wear and maintains engine cleanliness.

Main Benefits:

- ❖ Superior chemical & thermal stability
- ❖ Extended drain interval
- ❖ Excellent engine cleanliness and longer engine life
- ❖ Maximum lubricity at high temperature operation

Application:

Recommended for use in off & on highway heavily loaded diesel engines in transportation and other heavy duty applications such as in construction, mining & quarrying. It is suitable for use in both current and older engine designs.

Physical Characteristics	Test Method	Typical Values		
		15W/40	20w/40	15w/50
SAE Grade				
Specific Gravity @ 60/60 F	ASTM D-4052	0.8830	0.8930	0.8840
Kinematic Viscosity	ASTM D-445			
@ 40 °C, cSt		112.50	175.50	175.60
@ 100 °C, cSt		15.50	19.50	19.50
Viscosity Index	ASTM D-2270	145	127	127
Flash Point, COC, C	ASTM D-92	228	236	228
Pour Point, C	ASTM D-97	-27	-24	-27
TBN mg KOH/g	ASTM D-2896	13.00	13.00	13.00