Product Data Sheet

Product Description

POWER7 Monograde diesel engine oil series under the POWER7 brand, engineered to meet the demands of high load diesel engines in trucks, buses, generators, and construction machinery. Formulated with premium Group I base oils and an enhanced additive system, it meets the API CI-4 specification, offering superior protection against wear, soot buildup, and oxidation , even in extended drain operations. POWER7 Monograde Series designed for use in older and heavy-duty diesel engines also this series ensures stable viscosity at high temperatures, Engine cleanliness and deposit control, Effective lubrication during continuous operation.

Applications

POWER7 Monograde is suitable for use in naturally aspirated and turbocharged diesel engines in: Trucks, buses, and transport fleets, Diesel generators (stationary & mobile), Construction and mining equipment, Agricultural machinery, Marine engines (inland and coastal vessels).

Performance Features

Excellent resistance to oxidation and oil thickening, Strong protection against piston deposits and ring sticking High thermal stability under extreme operating temperatures, Maintains film strength and lubrication under heavy loads, Reduces engine wear and extends service life.

Meets & Exceeds Specifications

POWER7 Monograde engine oils are formulated to meet and exceed the performance requirements of leading international standards and automotive manufacturers.

These oils conform to the following specifications:

API CI-4, API CF, API CF-4.

Suitable for use in vehicles requiring performance levels of:

MB-228.3, DEUTZ -DQC-III-10, Renault VI RLD-2, Renaults Trucks RLD-3, Volvo VDS-3, Volvo VDS-4.5, Mack EO-N, MAN-M-1-3275, Detroit Diesel 93K215, MTU Type 2, CUMMINS CES 20078,77,76,75,72,71, CAT ECF-2, ECF-1-a, Allison C4, ACEA E2; Mack EO-M, Mack EOS-4.5, VOLVO VDS,

(Always refer to the vehicle owner's manual for exact oil requirements)

These specifications ensure excellent compatibility with a wide range of modern and older engine technologies, offering reliability, long service life, and optimized engine performance.



Typical Properties

Properties	Test Method	HD50	HD70
API Performance Level	-	CI-4	CI-4
SAE Grade	SAEJ300	SAE50	SAE70
Viscosity @ 100°C (cSt)	ASTMD445	21.30	26.5
Viscosity @ 40°C (cSt)	ASTMD445	215	305
Viscosity Index (VI)	ASTM D2270	118	114
Flash Point (COC), °C	ASTMD92	≥240	≥250
Pour Point, °C	ASTMD97	≤-21	≤-21
Total Base Number (TBN), mg KOH/g	ASTM D2896	14.0	14.0
Density @ 15°C (g/cm3)	ASTM D4052	0.886	0.891

Handling, Health & Safety

Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. In case of contact with skin, wash with soap and water. Do not ingest. If swallowed, do not induce vomiting, seek medical attention immediately. Use in a well ventilated area and avoid inhaling oil mist or vapors.Keep out of reach of children and animals.

Disposal: Used engine oil should be disposed of in accordance with local environmental regulations. Do not pour used oil into drains, soil, or water sources.For detailed safety information, refer to the Safety Data Sheet (SDS) of this product.