Product Data Sheet

Product Description

POWER7 Multigrade Series is a high performance diesel engine oil formulated with high quality base oils and an advanced additive system. It is designed to provide excellent protection against wear, oxidation, soot-related viscosity increase and deposit formation under severe operating conditions.
Its robust detergent and dispersant technology helps maintain engine cleanliness while providing reliable lubrication for turbocharged and naturally aspirated diesel engines operating under heavy loads and high temperatures.

Applications

POWER7 Multigrade is recommended for diesel engines requiring API CI-4 performance, including: Heavy-duty trucks and buses, Turbocharged and naturally aspirated diesel engines, Diesel generators and stationary engines, Construction and earth moving equipment, Mining and quarry machinery, Agricultural tractors and equipment, Commercial and mixed fleets, Older diesel engines operating under severe service conditions, SAE 15W-40 provides improved low temperature flow and broad all-season performance.
SAE 20W-50 provides higher viscosity and strong oil film protection, particularly for high temperature operation, severe loads and engines where SAE 20W-50 is specified.

Performance Features

Excellent wear protection under severe loads, Strong soot and deposit control, High thermal and oxidation stability, Helps prevent sludge and piston deposits, Maintains viscosity and oil-film strength at high temperatures Excellent detergent and dispersant performance, Protection against rust and corrosion, Helps reduce ring sticking and cylinder wear, Suitable for turbocharged diesel engines,Reliable TBN reserve for acid neutralization, Helps maintain engine cleanliness during extended service

Meets & Exceeds Specifications

POWER7 Multigrade 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	15W-40	20W-50
API Performance Level	-	CI-4	CI-4
SAE Grade	SAEJ300	15W-40	20W-50
Viscosity @ 100°C (cSt)	ASTMD445	15.50	19.50
Viscosity @ 40°C (cSt)	ASTMD445	117	181
Viscosity Index (VI)	ASTM D2270	139	124
Flash Point (COC), °C	ASTMD92	≥230	≥235
Pour Point, °C	ASTMD97	≤-27	≤-27
Total Base Number (TBN), mg KOH/g	ASTM D2896	14.0	14.0
Density @ 15°C (g/cm3)	ASTM D4052	0.878	0.884

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.