



PENRITE



85% REDUCTION
IN LANDFILL
WASTE

CONVOY MFD (Mineral)

Last updated: 06/08/2019 10:57 am

PRODUCT CODE	PACK SIZE	CARTON QTY
MULTIFD15010	10L	
MULTIFD15020	20L	
MULTIFD15205	205L	
MULTIFD151000LTR	1000L	

PRODUCT BENEFITS

Convoy MFD is a high quality, mineral, SAE 15W-40, mid ash diesel engine oil formulated with high quality additives and premium hydrocracked mineral base oils.

APPLICATION

Convoy MFD is designed use in 4, 6 & 8+ cylinder multi cam, naturally aspirated, supercharged, turbocharged common rail & direct injection four stroke diesel engines. It can be used in engines across a wide range of US, European and Asian manufacturers.

Convoy MFD is recommended for use in vehicles where SAE 15W-40 or SAE 20W-40 engine oils were originally recommended by the manufacturer.

Convoy MFD can be used in diesel engines where ACEA E7 or where API CI-4 heavy duty engine oils are specified by the manufacturer. It can also be used where API specifications API CI-4, CH-4, CG-4 or CF-4 are specified. It is suitable for use in mixed fleets with older Petrol and LPG powered vehicles. It can also be used in both heavy duty and light duty diesel engines in trucks, cars, light commercials and SUVs (without DPF or cooled-EGR) and it may also be used in petrol engines where API SL or prior specification is required and in mixed fleets of Petrol/LPG vehicles. It may also be used in pre 2008 European petrol engines that require ACEA A3/B3 performance level.

Convoy MFD is **NOT** recommended for use in diesels fitted with a DPF (Diesel Particulate Filter) that require an ACEA "C" grade Low-Mid SAPS (Sulphated Ash, Phosphorus & Sulphur) engine oil. We recommend checking the recommendation guide for the correct grade and specification.

VEHICLE & FUEL TYPES

Convoy MFD is suitable for use in diesel engines in passenger cars, 4WD's, light & heavy duty commercial engines in trucks, tractors, agricultural & earthmoving equipment as well as industrial equipment such as fork lifts & stationary engines. It is suitable for use with Diesel (Non DPF) & Petrol/E10/LPG (Dual Fuel). It is also suitable for use in petrol and LPG engines as a mixed fleet oil.

Please Note:

1. Heavy-duty diesel engines requiring the later oil performance specifications should use **Convoy DHD** or **Convoy DFX**. Those with oil consumption problems (non EPA-04 engines) should use **Penrite HPR Diesel SAE 20W-60**.
2. **Convoy MFD** replaces **MultiFleet Diesel 15W-40**

PRODUCT BENEFITS

- Excellent protection of engine parts
- Resists oil thickening
- Shear stable viscosity modifier maintains oil viscosity in service
- Mid ash formulation controls combustion chamber deposits
- Can be used in mixed fleets, reducing the chance of misapplication





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INDUSTRY & MANUFACTURER'S SPECIFICATIONS

- ACEA E7
- API CI-4/SL
- Caterpillar ECF-2
- China National GB 11122-2006
- Cummins CES 20071
- Cummins CES 20072
- Cummins CES 20076
- Cummins CES 20077
- Mack EO-M Plus
- MAN 3275
- MB 228.3.
- MB 229.1.
- MIL-PRF-2104G
- Volvo VDS-3

SUITABLE FOR USE WHERE SPECIFICATIONS BELOW ARE REQUIRED (FOR OUT OF WARRANTY SERVICE)

- API CF-4
- API CG-4
- API CG-4/SL
- API CH-4
- API CH-4/SL

TYPICAL DATA

Density at 15°C, kg/L	0.88
Viscosity, Kinematic, cSt at 40°C	111
Viscosity, Kinematic, cSt at 100°C	14.9
Viscosity Index	139
Cold Cranking Viscosity, cP at -20°C	6,063
Ca content, Mass %	0.363
Zinc, Mass %	0.109
Phosphorus, Mass %	0.099
Sulphated Ash, Mass %	1.40
Total Base Number (TBN)	11.1