



# PENRITE



85% REDUCTION  
IN LANDFILL  
WASTE

## CONVOY DFX (Premium Mineral)

Last updated: 19/06/2019 5:36 pm

PRODUCT CODE	PACK SIZE	CARTON QTY
DFX001	1L	6
DFX005	5L	4
DFX006	6L	3
DFX010	10L	
DFX020	20L	
DFX060	60L	
DFX205	205L	
DFX1000LTR	1000L	



### PRODUCT BENEFITS

**Convoy DFX** is a mineral, SAE 15W-40, FULL ZINC, mid ash, diesel engine oil made from pure hydrocracked base oils and an advanced anti-wear additive system for complete engine protection.

**Licensed** by the **API** (American Petroleum Institute) to meet CI-4 Plus and CI-4 specifications ensuring quality and satisfaction. It also exceeds European ACEA E7 as well as many other manufacturer's specifications.

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- [Click Here](#) to view API License

### APPLICATION

**Convoy DFX** is designed for use in 4, 6 & 8+ cylinder multi cam, naturally aspirated, supercharged, turbocharged common rail & direct injection diesel engines. It is designed predominantly for use in four stroke heavy duty diesel engines. It can be used in both on and off-highway applications, high speed and some medium speed diesel engines used in marine environments as well as for generator sets and agricultural equipment.

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

**Convoy DFX** can be used in diesel engines where ACEA E7 or where API CI-4 Plus or CI-4 heavy duty engine oils are specified by the manufacturer. It can also be used where ACEA A3/B3 is recommended in model years prior to 2017 and where previous API specifications API CH-4, CG-4 or CF-4 is specified. It is suitable for use in many mixed fleets with older Petrol and LPG powered vehicles requiring an engine oil meeting API SL (2001-2004), API SJ (1998-2000), API SH (1994-1997) or API SG (1989-1993).

**Convoy DFX** 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 DFX** 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 can also be used with Petrol/E10/LPG (Dual Fuel). It is also suitable for use in petrol and LPG engines as a mixed fleet oil and can be used in motorcycles with wet clutches.

### Please Note -

1. Engines requiring later oil performance specifications should use **Convoy DHD** or **Convoy DLA**. Those with oil consumption problems (non EPA-04 engines) should use **HPR Diesel SAE 20W-60**.
2. **Convoy DFX** replaces **Diesel FX**



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## **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 chance of misapplication and minimising inventory.

## **MANUFACTURER'S (OEM) APPROVALS & INDUSTRY LICENSES**

- API LICENSED
- MB-Approval 228.3

## **INDUSTRY & MANUFACTURER'S SPECIFICATIONS**

- ACEA E7
- Allison C-4
- API CG-4
- API CH-4
- API CI-4
- API CI-4 PLUS
- API CI-4 PLUS/SL
- Caterpillar ECF-1-a
- China National GB 11122-2006
- Cummins CES 20071
- Cummins CES 20072
- Cummins CES 20076
- Cummins CES 20077
- Cummins CES 20078
- Deutz DQC-11-05
- Global DHD-1
- JASO DH-1
- Mack EO-N Premium Plus 03
- MAN 3275
- MB 228.3.
- MB 229.1.
- MIL-PRF-2104H
- MTU Type 2
- NATO O-1236
- Renault RD-2
- Renault RLD-2
- Volvo VDS-3

## **TYPICAL DATA**

Density at 15 °C, kg/L	0.876
Viscosity, Kinematic, cSt at 40 °C	112
Viscosity, Kinematic, cSt at 100 °C	14.8
Viscosity Index	138
Cold Cranking Viscosity, cP at -20 °C	6,387
Ca content, Mass %	0.363
Zinc, Mass %	0.109
Phosphorus, Mass %	0.099
Sulphated Ash, Mass %	1.4
Total Base Number (TBN)	12.9