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CONVOY ULTRA HD 10W-40 (Full Synthetic)

Last updated: 25/07/2025 10:38 am

PRODUCT CODE	PACK SIZE	CARTON QTY
DLA020	20L	1
DLA060	60L	
DLA205	205L	
DLA1000LTR	1000L	

PRODUCT BENEFITS

Convoy Ultra HD 10W-40 is a highly advanced, full synthetic, extended drain, mixed-fleet, ultra high performance diesel (UHPD) oil. It is formulated with the highest standard synthetic base oil and advanced additives to ensure protection against wear, corrosion, oil oxidation and sludge.

Licensed by the API (American Petroleum Institute) to meet CK-4 specification ensuring quality and satisfaction. It is OEM approved by Mercedes Benz, Mack, Volvo and Renault and exceeds European ACEA E8/E11 requirements and many other manufacturer specifications.

[Click Here](#) to see API License

[Click Here](#) for Volvo, Mack and Renault Approvals

[Click Here](#) for MB-Approval 228.52

APPLICATION

Convoy Ultra HD 10W-40 is primarily designed for use in modern 4, 6 & 8 cylinder naturally aspirated and turbocharged four-stroke, low emission, light and heavy duty diesel engines including those with extended drain intervals of up to 100,000+km in accordance with the OEM operating conditions.

It may be used where SAE 10W-40 or SAE 15W-40 grade oils are specified by the manufacturer. It can be used where ACEA E7/E8/E11, JASO DH-2 and API CK-4 or where previous API specifications API CJ-4, API CI-4 Plus, API CI-4 or API CH-4 and ACEA E6/E9 were recommended. It is also suitable for use in engines requiring high performance ACEA E4/E6 oils.

Suitable for use in the latest Euro IV and Euro V emissions European diesel engines including those that use SCR (Selective Catalytic Reduction) emissions systems along with those fitted with or without DPFs (Diesel Particulate Filters). It is also suitable for use in normal or cooled EGR (Exhaust Gas Recirculation) systems. Some of these engines also use **Penrite Penblue** as a part of their emission control systems.

Approved by Mercedes Benz for MB 228.52, Volvo for VDS-4.5, Mack for EO-S 4.5 and Renault for VI RLD-3 requirements. It can also be used in Mercedes Benz light commercial and passenger car diesel engines where MB 228.31 or 228.51 are specified in the owner's handbook. It may also be used where Volvo VDS-5 oils are specified in Euro 6 Step D (D13K5 and D13K6) engines. It is suitable for extended drain intervals with OEM operating conditions and can also be used in other light commercial and passenger vehicles if a full synthetic diesel engine oil is required or specified by the manufacturer.

VEHICLES AND FUEL TYPES

Convoy Ultra HD 10W-40 is suitable for light & heavy duty commercial vehicles, passenger cars, 4WDs, construction, mining and agricultural equipment if a full synthetic, SAE 10W-40 diesel engine oil is required or specified by the manufacturer. It is **NOT** recommended for use in motorcycles.

Please note:

1. Some trucks and heavy vehicles fitted with DPFs may need to use **Convoy Ultra HD 5W-30** or **Convoy Ultra HD 15W-40** oils. Please check Penrite Lube Recommendation Guide for correct lubricant.
2. **Convoy Ultra HD 10W-40** replaces **Convoy DLA** in Heavy Duty Applications
3. A 58mm cap with pouring tap is available to fit 7, 10 & 20 litre packs.
<https://penriteoil.com.au/products/58mm-plastic-tap>
4. For sizes below 20 Litre, use **Enviro+ 10W-40**





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PRODUCT BENEFITS

- **API LICENSED** for quality assurance
- **MANUFACTURER APPROVED** product to maintain vehicle warranty & specifications
- **MAXIMISES** Diesel Particulate Filter life and engine performance
- Suitable for SCR and EGR systems
- Suitable for extended oil drain intervals
- Controls oil consumption through use of low volatility, hydro-processed synthetic base oils
- Provides ideal wear, bore polish and deposit protection
- Effective dispersant additives keep soot in suspension, reducing wear
- Suitable for use in light and heavy duty applications

MANUFACTURER'S (OEM) APPROVALS & INDUSTRY LICENSES

- Mack EOS-4.5 Approval
- MB-Approval 228.52
- Renault VI RLD-3
- Volvo VDS-4.5 Approval DLA

PRODUCT PERFORMANCE LEVELS

- | | |
|-------------------------|------------------------------|
| • ACEA E11 | • MB 228.51 |
| • API CK-4 | • MB 228.52 |
| • Caterpillar ECF-3 | • MTU Category 3.1 |
| • Cummins CES 20086 | • Renault RLD-4 |
| • Detroit Diesel 93K222 | • Renault VI RLD-3 |
| • Deutz DQC IV-10 LA | • Scania Low Ash |
| • Ford M2C171-E | • Voith Retarder Oil Class B |
| • JASO DH-2 | • Volvo VDS 4.5 |
| • Mack EOS-4.5 | • Volvo VDS-4 |
| • MAN M 3477 | |

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

- ACEA E4
- ACEA E6
- ACEA E9
- API CI-4
- API CI-4 PLUS
- API CJ-4

TYPICAL DATA

Density at 15°C, kg/L	0.861
Viscosity, Kinematic, cSt at 40°C	91
Viscosity, Kinematic, cSt at 100°C	13.7
Viscosity Index	153
Cold Cranking Viscosity, cP at -25°C	6,600
Ca content, Mass %	0.131
Zinc, Mass %	0.089
Phosphorus, Mass %	0.080
Sulphated Ash, Mass %	1.0
Magnesium, Mass %	0.091
Total Base Number (TBN)	13.4