

DYNAMIC ULTRA PLUS

SAE 15W-40

Product Description

DYNAMIC ULTRA PLUS is high performance heavy-duty diesel engine oil recommended for on and off highway diesel engine equipped with diesel particulate filter (DPF) or selective catalytic reduction (SCR) in Euro V specification and above. Synthesized with the cutting-edge EVOTEC technology and Ultra Shield molecules to enhance engine cleanliness and prevent sludge formation for all models of diesel engines. It provides excellent engine wear protection, plus delivers efficient engine performance and extra extended oil drain intervals.

Benefits

- Offers superior lubrication and engine wear protection as well as maintains the full power and performance.
- Provides high detergency and dispersancy for increasing soot handling, more effective prevention of deposit accumulation and ring sticking problem.
- Advanced detergent provide low-SAPS with superb TBN retention for all compatible aftertreatment device.
- Gives adequate oil film thickness and prevents sludge formation on vital engine parts.
- Prolongs engine life and extended oil drain intervals and minimizes engine oil consumption.

Applications

- Designed for superior performance of modern heavy-duty diesel engines meeting emission standard Euro V or above with DPF or SCR including common rail system of both on-highway and off-highway applications such as trucks, buses, trailers and heavy equipment.
- Suitable for all models of diesel pick up trucks and commercial vehicles equipped with EGR (Exhaust Gas Recirculation) or turbocharger.

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Typical Characteristics

Tests	Methods	Units	Results 15W-40
Density at 15 °C	ASTM D 4052	g/cm ³	0.8801
Kinematic Viscosity at 40 °C	ASTM D 445	mm ² /s	112.0
Kinematic Viscosity at 100 °C	ASTM D 445	mm ² /s	14.9
Viscosity Index	ASTM D 2270		137
Cold-cranking Simulator	ASTM D 5293	mPa.s	6342 @ -20 °C
Total Base Number	ASTM D 2896	mg KOH/g	9.0
Flash Point (COC)	ASTM D 92	°C	242
Pour Point	ASTM D 5950	°C	-33
Sulfated Ash	ASTM D 874	% wt	1.0

Performance Standards

- API CK-4/SN
- ACEA E9, E7
- JASO DH-2
- MB 228.31
- VOLVO VDS-4.5, VDS-4
- MACK EO-S 4.5, EO-O PREMIUM PLUS
- CUMMINS 20086/81
- MAN M3775, M3575
- MTU TYPE 2.1
- RENAULT RLD-3
- CATERPILLAR ECF-3
- DETROIT DIESEL 93K218, 93K222
- Ford WSS-M2C171-F1

Health and Safety

This product shows no significant health or safety hazard when used under the recommended applications and suitable handling.

Avoid the direct contact. Wash immediately after contact. Health and safety information is available on the Safety Data Sheet (SDS) which can be obtained from <http://pttlubricants.pttor.com>



Note: Data and information contained in this publication are based on standard test under laboratory conditions and/or performance test. To consider the use of PTT Lubricants' products in particular application, customer is responsible for determining whether product and information are appropriate for customer conditions or should consult with PTT Lubricants' technical service division. The procedure of using any lubricant may differ or change depended on different machines and their manuals. Therefore, we recommend to read, understand and review the latest SDS in order to ensure the use of product is accomplished safety.

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