

**DRYDENE DIESELALL PLUS® 15W-40 CK-4**

SYNTHETIC BLEND HEAVY-DUTY ENGINE OIL

**PRODUCT DESCRIPTION**

**DRYDENE DIESELALL PLUS® 15W-40 CK-4 HEAVY DUTY ENGINE OIL** is a synthetic blend diesel engine oil blended from synthetic base stocks and utilizes premium additive technology to meet the latest OEM diesel engine high temperature/high shear performance requirements.

**PRODUCT APPLICATION**

**DRYDENE DIESELALL PLUS® 15W-40 CK-4** is recommended for use on current specification on-road equipment employing low emissions technology including EGR (Exhaust Gas Recirculation), SCR (Selective Catalytic Reduction) and DPF (Diesel Particulate Filtration).

- Designed for use when extended drain intervals are desired as well as where extreme operating conditions may exist.
- Formulated protect today's heavy-duty turbocharged and naturally aspirated diesel engines.
- Fully backward compatible to CJ-4, CI-4 Plus, CI-4 and prior API specifications.

**DRYDENE DIESELALL PLUS® 15W-40 CK-4** is well-suited for use in construction, mining and agricultural applications where ultra-low sulfur diesel fuels are being run.

**FEATURES AND BENEFITS**

**DRYDENE DIESELALL PLUS® 15W-40 CK-4** is the next generation of CK-4 diesel engine oil. With its unique ALL Technology® additive formulation and high viscosity index, it delivers unsurpassed protection in many key areas:

- Helps extend oil drain intervals (ODI) in conjunction with OEM recommendations.
- Improved engine cleanliness and up to 60% better protection against deposit formation in pistons.<sup>1</sup>
- Advanced protection can provide up to 80% better control of oxidation, acid formation and viscosity breakdown due to high-temperature operating conditions.<sup>2</sup>
- Extends the life of critical surfaces, gaskets and seal materials delivering up to 50% better wear protection.<sup>3</sup>
- Low-ash formulation helps control fouling of exhaust after-treatment devices, extending useful life while lowering long-term operating costs.



<sup>1</sup> Compared to the new limits of API CK-4 requirements.

<sup>2</sup> Compared to the new limits of API CK-4 requirements.

<sup>3</sup> To measure friction reduction benefits, ball-on-disc traction test used.

**SPECIFICATIONS**

- **ACEA-** E9, E7, E4
- **API Services Categories-** CK-4, CJ-4
- **API Services Categories-** SN, SM
- **Caterpillar®-** ECF-3, ECF-2, ECF-1-a
- **Chrysler/Fiat-** MS-10902
- **CID-** A-A-52306, MIL-PRF-2104G
- **Cummins®-** CES 20086, CES 20081, CES 20077
- **Detroit Diesel®-** 93K222, 93K218, 93K215
- **Ford-** WSS-M2C171-F1, WSS-M2C171-E
- **JASO-** DH-2
- **Mack®-** EOS-4.5, EO-O Premium Plus
- **MB-** 228.3, 228.31
- **MAN-** 3575, 270
- **MTU-** Type 2.1, Type I, Type II
- **Renault®-** RLD-4
- **Volvo®-** VDS-4.5, VDS-4, 3

Other applicable uses may exist. Please contact Drydene Performance Products, Inc. for more information.

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PRODUCT DATA SHEET

**DRYDENE DIESELALL PLUS® 15W-40 CK-4**

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## TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	PLUS 15W-40 CK-4
Gravity; °API	ASTM D287	30.6
Viscosity @ 40°C (cSt)	ASTM D445	116.3
Viscosity @ 100°C (cSt)	ASTM D445	15.7
Viscosity Index	ASTM D2270	144
Flash Point °C	ASTM D92	226
Pour Point °C	ASTM D5950	-36
Cold Cranking Simulator @ -20°C, cP	ASTM D5293	5400
High Temp/High Shear Vis @ 150°C, cP	ASTM D5481	4.3
NOACK Volatility, % loss	ASTM D6375	9.0
Sulfated Ash, nt%	ASTM D874	0.99
Zinc, wt%	ASTM D5185	0.128
Color	ASTM D1500	3.0
Pumping Viscosity @ -25°C, cP	ASTM D4684	21,600

All stated physical properties are typical of standard production and may vary.

## HEALTH AND SAFETY

This product is not expected to have any adverse health implications when used for its intended purposes. Always wear protective gloves when handling used oil and dispose of properly. Avoid contact with skin and wash immediately with soap and water should any contact occur.

For a copy of this product's Safety Data Sheet (SDS), contact Drydene Performance Products, Inc. at 1-877-DRYDENE.

## DISCLAIMER

Always follow OEM recommendations for fluid viscosity and API service category. Drydene Performance Products, Inc. assumes no responsibility for product misuse or improper application.

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