

**DRYDENE DIESELALL PLUS® 10W-30 CK-4**

SYNTHETIC BLEND HEAVY-DUTY ENGINE OIL

**PRODUCT DESCRIPTION**

**DRYDENE DIESELALL PLUS® 10W-30 CK-4 HEAVY DUTY ENGINE OIL** is 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 including increased fuel economy and cold weather startup.

**PRODUCT APPLICATION**

**DRYDENE DIESELALL PLUS® 10W-30CK-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 specifically to provide increased fuel economy and cost savings for modern long-haul and short-haul fleets.
- Similar applications where 15W-40 viscosity oils are normally used but where increased fuel economy is desired and smoother cold weather startups may occur.
- Formulated to handle today's heavy-duty turbocharged diesel engines as well as naturally aspirated models.

**DRYDENE DIESELALL PLUS® 10W-30 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® 10W-30 CK-4** is the next generation of CK-4 diesel engine oil. With its unique additive formulation and high viscosity index, it delivers unsurpassed protection in many key areas:

- Can improve fuel savings 1-2% when following OEM extended drain interval recommendations.<sup>1</sup>
- Extended drain intervals versus conventional based fleets products in conjunction with OEM recommendations.
- Improved engine cleanliness and up to 60% better protection against deposit formation in pistons.<sup>2</sup>
- Advanced antioxidants can provide up to 80% better protection against oxidation, acid formation and viscosity breakdown due to high-temperature operating conditions.<sup>3</sup>
- Extends the life of critical surfaces, gaskets and seal materials delivering up to 50% better wear protection.<sup>4</sup>
- Low-ash formulation helps control fouling of exhaust after-treatment devices, extending useful life while lowering long-term operating costs.



<sup>1</sup> Using DieselAll Plus 10W-30 CK-4 compared to conventional 15W-40 CK-4 during on-highway long-haul service. Savings may vary based on idle time and other driving conditions.

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

<sup>3</sup> Compared to the new limits of API CK-4 requirements.

<sup>4</sup> To measure friction reduction benefits, ball-on-disc traction test used.

**SPECIFICATIONS**

- **ACEA**- E9, E7, E4
- **API Services Categories**- CK-4, CJ-4
- **Caterpillar**®- ECF-3, ECF-2, ECF-1-a
- **CID**- A-A-52306, **MIL-PRF**-2104G
- **Cummins**®- CES 20086, CES 20081, CES 20077
- **Detroit Diesel**®- 93K222, 93K218, 93K215
- **Deutz**- DQC III-IOLA
- **Ford**- WSS-M2C171-F1 (Approved), WSS-M2C171-E
- **Global**- DHD-1
- **JASO**- DH-2
- **Mack**®- EOS-4.5, EO-O Premium Plus
- **MAN**- 3575, 270
- **MB**- 228.3, 228.31
- **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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**TYPICAL TECHNICAL PROPERTIES**

PROPERTY	TEST METHOD	SAE 10W-30
Viscosity @ 40°C (cSt)	ASTM D445	82.0
Viscosity @ 100°C (cSt)	ASTM D445	12.2
Viscosity Index	ASTM D2270	147
Flash Point °C	ASTM D92	220
Pour Point °C	ASTM D5950	-38
Cold Cranking Simulator @ -25°C, cP	ASTM D5293	6300
High Temp/High Shear Vis @ 150°C, cP	ASTM D5481	3.5
NOACK Volatility, % loss	ASTM D6375	13
Sulfated Ash, wt %	ASTM D874	0.99
Zinc, wt%	ASTM D5185	0.128
Color	ASTM D1500	2.5
Pumping Viscosity @ -30°C, cP	ASTM D4684	23,000
TBN, mgKOH/g	ASTM D2986	10

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

**DON'T GO THE EXTRA MILE...GO THE EXTRA THOUSAND**

Over the past 100 years, we've crushed rocks, built highways, toiled in fields and hauled more cargo than you can imagine. We have no plans of stopping anytime soon, and neither do you.

Drydene stands for integrity, quality and loyalty. Our company has over a century of heritage to back it up. We deliver high-quality lubricants that exceed expectations and set higher industry standards overall, because your lubricants should stand the test of time.

All Drydene heavy-duty and passenger car engine oils, hydraulic fluids, transmission and gear oils, greases as well as our extensive lineup of industrial and specialty fluids are formulated to be as rigorous as the work that needs to be done.

DRYDENE Performance Products, Inc.  
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**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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