

# DRYDENE DIESELALL® PLUS 10W30 CK-4

SYNTHETIC BLEND HEAVY-DUTY ENGINE OIL



## PRODUCT DESCRIPTION

**DRYDENE DIESELALL® PLUS 10W30 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 sheer performance requirements including increased fuel economy and cold weather startup.

## PRODUCT APPLICATION

**DRYDENE DIESELALL® PLUS 10W30 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 specifically to provide increased fuel economy and cost savings for modern long-haul and short-haul fleets.
- Similar applications where 15W40 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 10W30 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 10W30 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.
- Extended drain intervals versus conventional based fleets products.
- Improved engine cleanliness and protection against deposit formation in pistons.
- Advanced protection against oxidation, acid formation and viscosity breakdown due to high-temperature applications.
- Extends the life of critical wear surfaces, gaskets and seal materials.



## 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®**- 20086, CES 20081, 20077
- **Detroit Diesel®**- 93K222, 93K218, 93K215
- **Deutz**- DQC III-IOLA
- **Ford**- WSS-M2C171-F1, 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 suitable uses include (but are not limited to):  
**Allison®**- C-4, TES-439  
**CAT**- TO-2

Other applicable uses may exist. Please contact DRYDENE Performance Products for more information.

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## TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	PLUS 10W30 CK-4
Gravity; °API	ASTM D287	31.37
Specific Gravity @ 15.6°C	ASTM D4052	0.869
Viscosity @ 40°C (cSt)	ASTM D445	82.01
Viscosity @ 100°C (cSt)	ASTM D445	12.20
Viscosity Index	ASTM D2270	146
Flash Point °C	ASTM D92	225
Pour Point °C	ASTM D5950	-38
Cold Cranking Simulator @ -25°C, cP	ASTM D5293	6260
High Temp/High Shear Vis @ 150°C, cP	ASTM D5481	3.5
NOACK Volatility, % loss	ASTM D6375	13
Color	ASTM D1500	2.5
Zinc, wt. %	ASTM D5185	0.128
Phosphorus, wt. %	ASTM D5185	0.117
Calcium, wt. %	ASTM D5185	0.110
Sulfur, wt. %	ASTM D4951	0.33
Magnesium, wt. %	ASTM D5185	0.1
Molybdenum, wt. %	ASTM D5185	0.0066
Sulfated Ash, wt. %	ASTM D874	0.98
Nitrogen, wt. %	ASTM D4629	0.105
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  
Toll-free: 1-877-DRYDENE  
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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 at 1-877-DRYDENE.

### DISCLAIMER

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

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