

DRYDENE DIESELALL® SYN 5W40 CK-4

SYNTHETIC HEAVY-DUTY ENGINE OIL



PRODUCT DESCRIPTION

DRYDENE DIESELALL® SYN 5W40 CK-4 HEAVY DUTY ENGINE OIL is a premium synthetic engine oil formulated from 100% synthetic base stocks and the most advanced additives available to deliver unmatched performance, extended drain intervals and maximum fuel savings for both turbocharged and naturally aspirated diesel engines.

PRODUCT APPLICATION

DRYDENE DIESELALL® SYN 5W40 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).

- Engineered to withstand the rigors of extreme service requirements over a wide temperature range.
- Mobile and stationary off-road equipment in mixed fleet operations.
- Current on-highway vehicles operating at both high and low speeds.
- Suitable for use in place of both mineral and synthetic 15W40 CK-4 and CJ-4 fluids where severe low temperature applications may occur.

DRYDENE DIESELALL® SYN 5W40 CK-4 meets or exceeds the latest API and ACEA requirements for diesel engine application along with most current OEM specifications.

FEATURES AND BENEFITS

DRYDENE DIESELALL® SYN 5W40 CK-4 provides unsurpassed protection and fuel savings through its superior additive and synthetic base oil chemistry.

- Provides excellent oxidation stability which reduces the build up of sludge in low temperatures and harmful high-temperature deposits
- Helps reduce scuffing and varnishing in cylinder bores and other critical engine components.
- Advanced protection against oxidation, acid formation and viscosity breakdown due to high-temperature applications.
- Easier start up in low temperature environments which help reduce engine wear.
- Helps reduce operating costs with extended drain capabilities.
- Low-ash formulation helps control fouling of exhaust after-treatment devices, extending useful life while lowering long-term operating costs.



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

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TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	SYNTHETIC 5W40 CK-4
Gravity; °API	ASTM D287	33.59
Specific Gravity @ 15.6°C	ASTM D4052	0.859
Viscosity @ 40°C (cSt)	ASTM D445	87.79
Viscosity @ 100°C (cSt)	ASTM D445	14.77
Viscosity Index	ASTM D2270	179
Flash Point °C	ASTM D92	226
Pour Point °C	ASTM D5950	-46
Cold Cranking Simulator @ -25°C, cP	ASTM D5293	6530
High Temp/High Shear Vis @ 150°C, cP	ASTM D5481	3.8
NOACK Volatility, % loss	ASTM D6375	12
Color	ASTM D1500	2.5
Zinc, wt. %	ASTM D5185	0.128
Phosphorus, wt. %	ASTM D5185	0.116
Calcium, wt. %	ASTM D5185	0.083
Sulfur, wt. %	ASTM D4951	0.315
Magnesium, wt. %	ASTM D5185	0.116
Molybdenum, wt. %	ASTM D5185	0.007
Sulfated Ash, wt. %	ASTM D874	0.98
Nitrogen, wt. %	ASTM D4629	0.124
Pumping Viscosity @ -35°C, cP	ASTM D4684	24,100
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
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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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