

**DRYDENE DIESELALL® HD ENGINE OILS**

HEAVY-DUTY ENGINE OIL/SAE 10, 30, 40 , 50

**PRODUCT DESCRIPTION**

**DRYDENE DIESELALL® HD ENGINE OILS** are low ash, single viscosity engine oils designed for use in older model diesel engines in both on-highway and off-highway applications as well as hydraulic systems requiring a high-zinc 10W engine oil.

**PRODUCT APPLICATION**

**DRYDENE DIESELALL® HD ENGINE OILS** are recommended for use in a variety of heavy-duty diesel engine types:

- Naturally aspirated, turbocharged or supercharged (four-stroke) requiring a single viscosity fluid.
- Older model mobile farming, mining and construction equipment.
- Formulated for older model engines operating on low, medium or high sulfur diesel fuels.

**DRYDENE DIESELALL® HEAVY-DUTY** is suitable for use in hydraulic systems on Caterpillar® equipment where a high zinc 10W engine oil is specified as well as various manual, semi-automatic and power-shift transmissions specifying either Caterpillar TO-2 or Allison C-4 transmission fluids.

**FEATURES AND BENEFITS**

**DRYDENE DIESELALL® HD ENGINE OILS** are blended from premium base stocks and specific additives to provide dual-purpose performance in both crankcase and hydraulic systems.

- Detergent and dispersant additives help maintain engine cleanliness, suppress varnishing and aids in suspension of soot and contaminants in the oil.
- Robust anti-wear additives help extend regular drain intervals and overall engine life even in high operating temperature applications.
- Reliable performance in cold weather applications, especially in hydraulic systems (SAE 10W, 30W and 40W)

**SPECIFICATIONS**

- **API Services Categories** CF (SAE 10W), CF-2 (30W, 40W), CF-4 (50W)
- **API Services Categories** SG (50W)
- **CAT** Hydraulics where Diesel Engine Oil is recommended (10W)
- **MIL-L-2104B** (SAE 30W)
- **MIL-L-46152D** (SAE 10W, 30W, 40W, 50W)

**CAUTION:** Drydene DieselAll® SAE 10, SAE 30, SAE 40 and SAE 50 are rated API Service Category SG. They are not suitable for use in most gasoline-powered automotive engines built after 1993. They may not provide adequate protection against the build up of engine sludge. Consult owner's manual before use.

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

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PRODUCT DATA SHEET

**DRYDENE DIESELALL® HEAVY-DUTY ENGINE OILS**

HEAVY-DUTY ENGINE OIL/SINGLE GRADE 10, 30, 40, 50

**TYPICAL TECHNICAL PROPERTIES**

PROPERTY	TEST METHOD	SAE 10	SAE 30	SAE 40	SAE 50
Viscosity @ 100°C, cSt	ASTM D445	6.796	10.92	13.30	18.78
Viscosity @ 40°C, cSt	ASTM D445	42.85	91.06	124.6	212.7
Viscosity Index	ASTM D2270	115	106	102	99
Cold Cranking Simulator at (°C), cP	ASTM D5293	4030	-	-	-
Color	ASTM D1500	2.5	2.5	2.0	5.5
Flash Point °C	ASTM D92	206	208	210	-
Gravity, API	ASTM D287	31.41	30.02	29.61	27.95
Hydrolytic Stability Test	ASTM D2619	PASS	-	-	-
Pour Point °C	ASTM D5950	-37	-29	-26	--
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8687	0.877	0.8784	0.8875
Zinc, wt%	ASTM D5185	0.087	0.087	0.087	0.133
Calcium, wt%	ASTM D5185	-	-	-	0.346
Phosphorus, wt%	ASTM D5185	-	-	-	0.116
TBN, mgKOH/g	ASTM D2896	-	-	-	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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