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LUBRICANT COMPANY

PERFORMANCE ENGINEERED LUBRICANTS SINCE 1919

RELIANT™
HEAVY DUTY ENGINE OIL
PRODUCT LINE

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RELIANT™ HEAVY DUTY DIESEL ENGINE OIL PRODUCT LINE

	Reliant™	Reliant™ Premium	Reliant™ Full Synthetic	Reliant™ Premium Plus
	Conventional	Synthetic Blend	Full Synthetic	Conventional
SAE Grades	15W-40, 10W-30	15W-40, 10W-30	5W-40, 5W-30	10W-30
Fuel Economy*		Fuel Savings up to 1%	Fuel Savings up to 3%	Fuel Savings up to 3%
Claims				
API CK-4	APPROVED	APPROVED	APPROVED	
API FA-4				APPROVED
CAT ECF-3	APPROVED	APPROVED	APPROVED	
Cummins CES 20086	MEETS APPROVAL	APPROVED	MEETS APPROVAL	
Cummins CES 20087				MEETS APPROVAL*
Detroit Diesel DFS 93K222	APPROVED	APPROVED	APPROVED	
Detroit Diesel DFS 93K223				APPROVED
Ford W SS-M2C171-F1	APPROVED	APPROVED	APPROVED	
Volvo VDS-4.5	APPROVED	APPROVED	APPROVED	
ACEA E9-16		MEETS APPROVAL	MEETS APPROVAL	
Allison TES 439		MEETS APPROVAL	MEETS APPROVAL	
Deutz III-18LA		APPROVED	MEETS APPROVAL	
Diamler 228.31		MEETS APPROVAL	MEETS APPROVAL	
JASO DH-2		MEETS APPROVAL	MEETS APPROVAL	
MTU Type 2.1	MEETS APPROVAL	MEETS APPROVAL	MEETS APPROVAL	
TBN (ASTM D2896)	9	10	11	10

**Meets Performance when compared to a conventional 15W-40*

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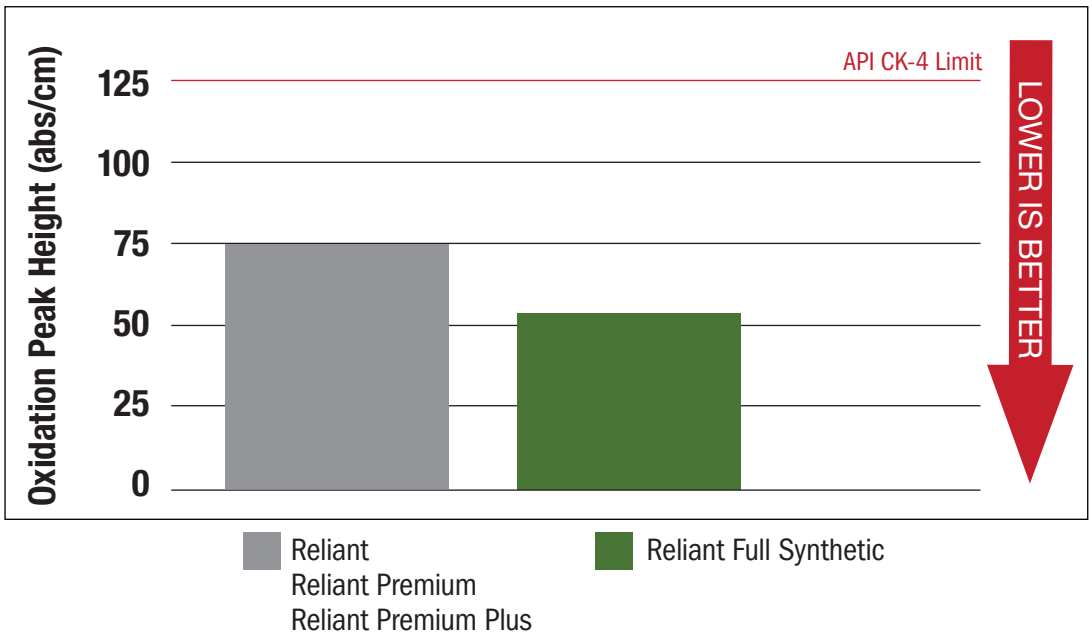
In demanding engine and bench tests, the Reliant™ product line exceeds industry requirements, with Reliant™ Full Synthetic comparatively demonstrating enhanced performance in oxidation control, viscosity control, wear protection and cleanliness.

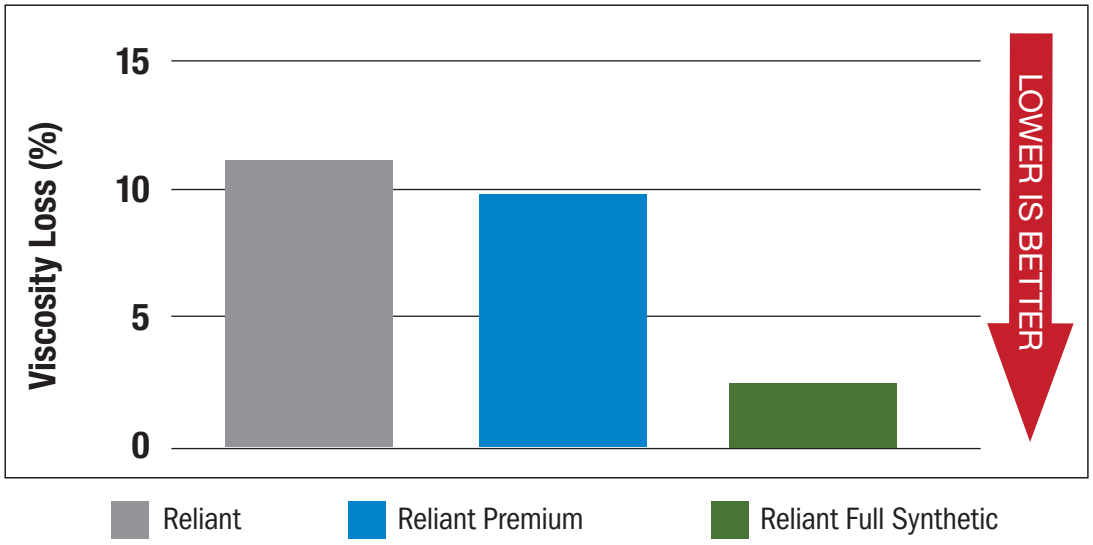
50% BETTER THAN INDUSTRY STANDARD

Reliant™, Reliant™ Premium, Reliant™ Premium Plus technology demonstrate far superior oxidation control than required by API CK-4.

OXIDATION

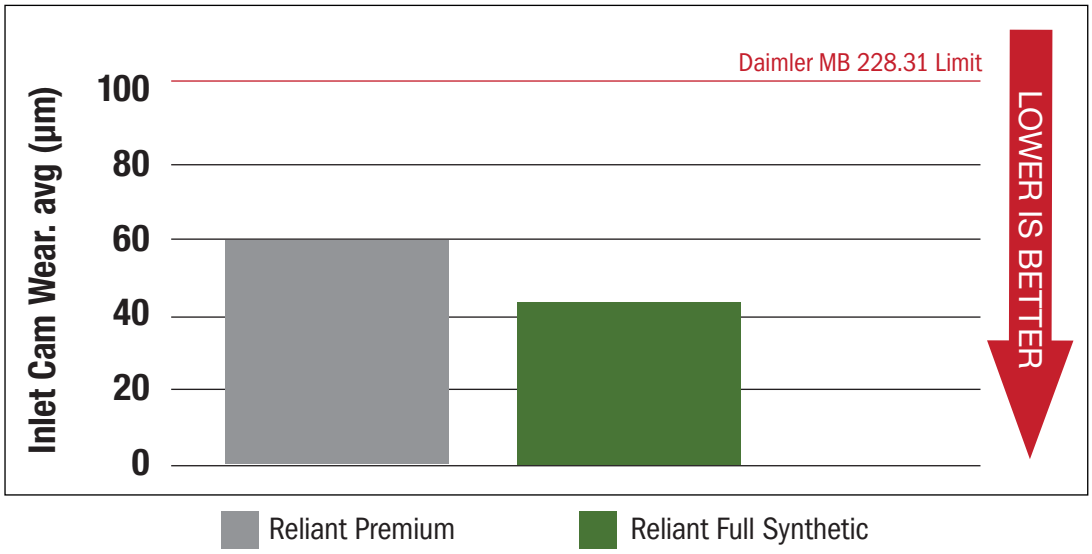


VISCOSITY CONTROL



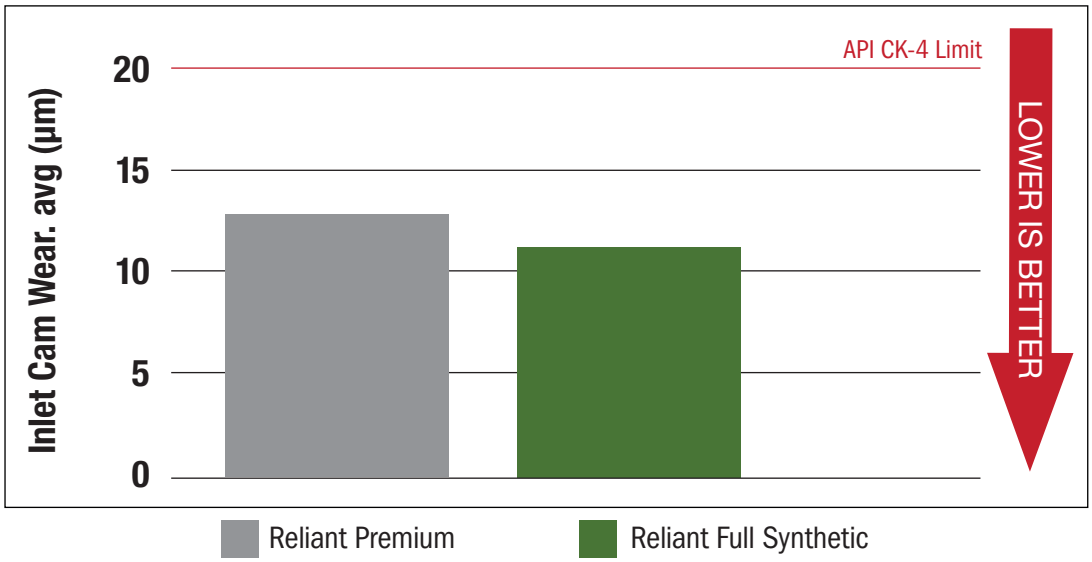
Reliant™ Full Synthetic (with Infineum S) demonstrates the best shear stability compared to Reliant™ Premium and Reliant™

CAM WEAR



Reliant™ Premium and Reliant™ Full Synthetic technologies demonstrate cam wear protection in US and EU engine tests, exceeding limits of API CK-4 and Daimler MB 228.31.

CLEANLINESS/DEPOSIT CONTROL



Reliant™ Premium and Reliant™ Full Synthetic technologies demonstrate excellent cleanliness US and EU engine tests, exceeding limits of API CK-4 and Daimler MB 228.31, with Reliant™

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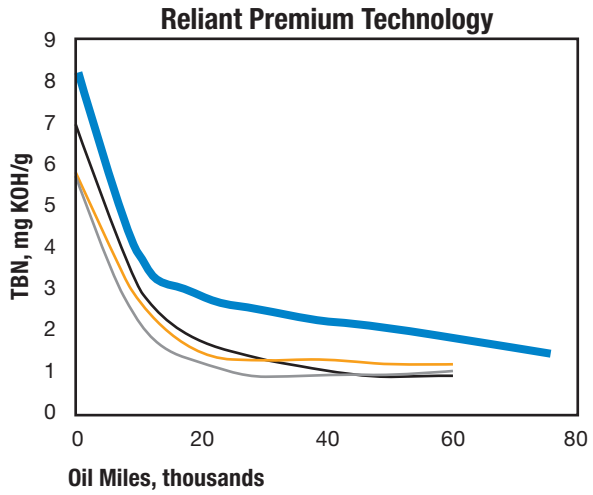
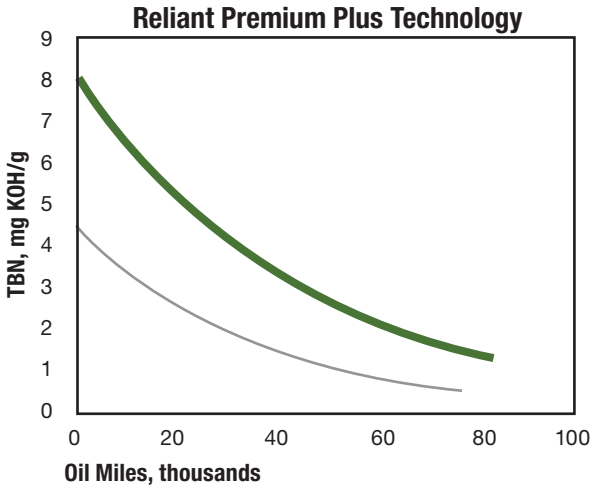
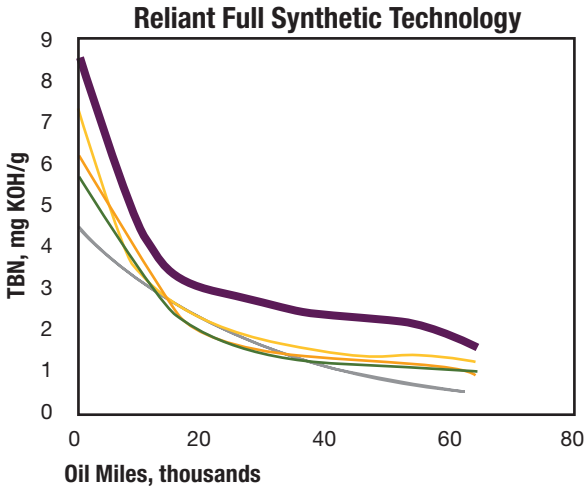
TBN RETENTION







In critical field operation, the Reliant™ product line demonstrates equal or higher performance than leading competitors, with the Reliant™ product line particularly standing out in TBN Retention.

All Reliant™ Technologies demonstrate superior acid neutralization capabilities to competitors in on-highway Field Tests with Cummins ISX engines, continuing to neutralize acids at extended ODI (typical recommended ODI is 50k-75k miles).

Competitor A 15W-40 CK-4
Competitor B 15W-40 CK-4
Competitor C 10W-30 CK-4
Competitor E 10W-30 FA-4
Competitor F 10W-30 FA-4
Competitor M 5W-40 CK-4

Bold line in each chart represents D-A.

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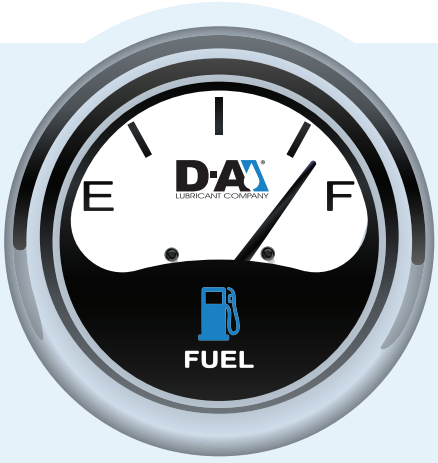
GOOD | BETTER | BEST

Reliant™	Reliant™ Premium	Reliant™ Full Synthetic	Reliant™ Premium Plus
• Exceeds latest Heavy Duty Diesel Industry claims	• Exceeds latest Heavy Duty Diesel Industry claims	• Exceeds latest Heavy Duty Diesel Industry claims	• Exceeds latest Heavy Duty Diesel Industry claims
• Exceeds latest Heavy Duty Diesel North America OEM claims	• Exceeds latest Heavy Duty Diesel North America OEM claims	• Exceeds latest Heavy Duty Diesel North America OEM claims	• Exceeds latest Heavy Duty Diesel North America OEM claims
	• Exceeds OEM claims	• Brings enhanced performance and low	• Focuses on FA-4 capability while retaining performance
			• Expanded coverage for OEMs

Capture your fuel economy.

Visit out Fuel Economy Calculator at
https://www.dalube.com/f-e-calc



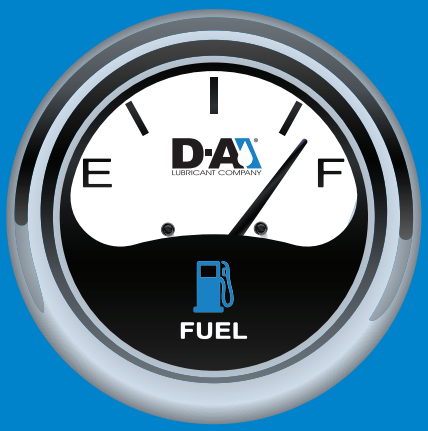
Through used oil analysis, Reliant™ Premium Plus and Reliant™ Full Synthetic demonstrate lubricant performance reserve and lubricant effectiveness between drain intervals.

Over the life time of a Class 8 truck (~750 k Miles on average), if one fleet extends its drain interval by 20,000 miles (from 40,000 miles to 60,000 miles), this would represent a reduction of 625 USD over the lifetime of the truck and a downtime reduction by 1/3.

Reliant™ Premium Plus and Reliant™ Full Synthetic bring enhanced durability performance at low viscosity capability, hence enabling fleet own to capture fuel economy benefits.

When switching from Reliant™ 15W-40 to Reliant™ Premium 10W-30, you can access a potential fuel economy benefit of 0.5% to 1.5%. Moving to Reliant™ Premium Plus FA-4 or Reliant™ Full Synthetic will unlock up to 1% additional Fuel economy saving. Reliant™ product line technology enables you to maintain the fuel economy performance throughout the life of your oil.

A fleet of 200 trucks can save over ~$100,000 per year of Fuel costs when switching to Reliant™ Premium Plus FA-4 or Reliant™ Full Synthetic. With nearly 280,000 Class 8 trucks sold in North America in 2019, 1% fuel economy improvement would save over 40 million gallons of fuel/year and over $100 million/year. This would represent a large reduction in the transportation industry carbon footprint.



CALCULATE YOUR SAVINGS

Interested in saving money and reducing downtime?

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Scan this code and start saving now!

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D-A Lubricant Company
801 Edwards Drive, Lebanon, IN 46052
317-923-5321 · 1-800-645-5823 · Fax: 765-482-3065
www.dalube.com

@dalubricant
D-A Lubricant Company
@DALubricant
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