

DURON[™] RECOMMENDED FOR CUMMINS.

**DURON.™ THE TOUGHER.
THE BETTER.™**



Trademarks are owned or used under license.

AN HF SINCLAIR BRAND

CUMMINS IS A GLOBAL LEADER IN DIESEL ENGINES, **TRUSTED BY OPERATORS AROUND THE WORLD.**

Wherever you depend on Cummins equipment, your Cummins equipment can depend on DURON™ heavy-duty diesel engine oils. Driven by API CK-4 and FA-4, it's the most durable, most protective, most advanced product line we've ever made.

Which is why DURON is approved for Cummins.

In all your Cummins engines, our DURON product line is ready to help protect your reliability, extend drain intervals*, and even cut your fuel costs.

DURON. Approved for Cummins, whatever the challenge.

DURON.™ THE TOUGHER. THE BETTER.™



DURON APPROVED FOR CUMMINS ENGINES

	CUMMINS	DURON	APPROVAL	API LEVEL
CONVENTIONAL OIL	CES 20086	DURON HP 15W-40	Approved	API CK-4
SYNTHETIC BLEND OIL	CES 20086	DURON SHP 15W-40	Approved	API CK-4
	CES 20086	DURON SHP 10W-30	Approved	API CK-4
SYNTHETIC OIL	CES 20086	DURON UHP 10W-40	Approved	API CK-4
	CES 20086	DURON UHP 5W-30	Approved	API CK-4
	CES 20086	DURON UHP 5W-40	Approved	API CK-4
ADVANCED FUEL ECONOMY OIL	CES 20087	DURON ADVANCED 10W-30	Approved	API FA-4
	CES 20087	DURON ADVANCED 5W-30	Approved	API FA-4
CNG/LNG	CES 20092**	DURON GEO LD 15W-40	Approved	API CK-4
	CES 20092**	DURON GEO LD 10W-30	Approved	API CK-4

API CK-4 – replaces API CJ-4 and previous categories, delivering higher performance levels and backwards compatible for older engines.
API FA-4 – an even more advanced lower High Temperature, High Shear (HTHS) oil that delivers better fuel economy in 2017 and newer diesel engines.

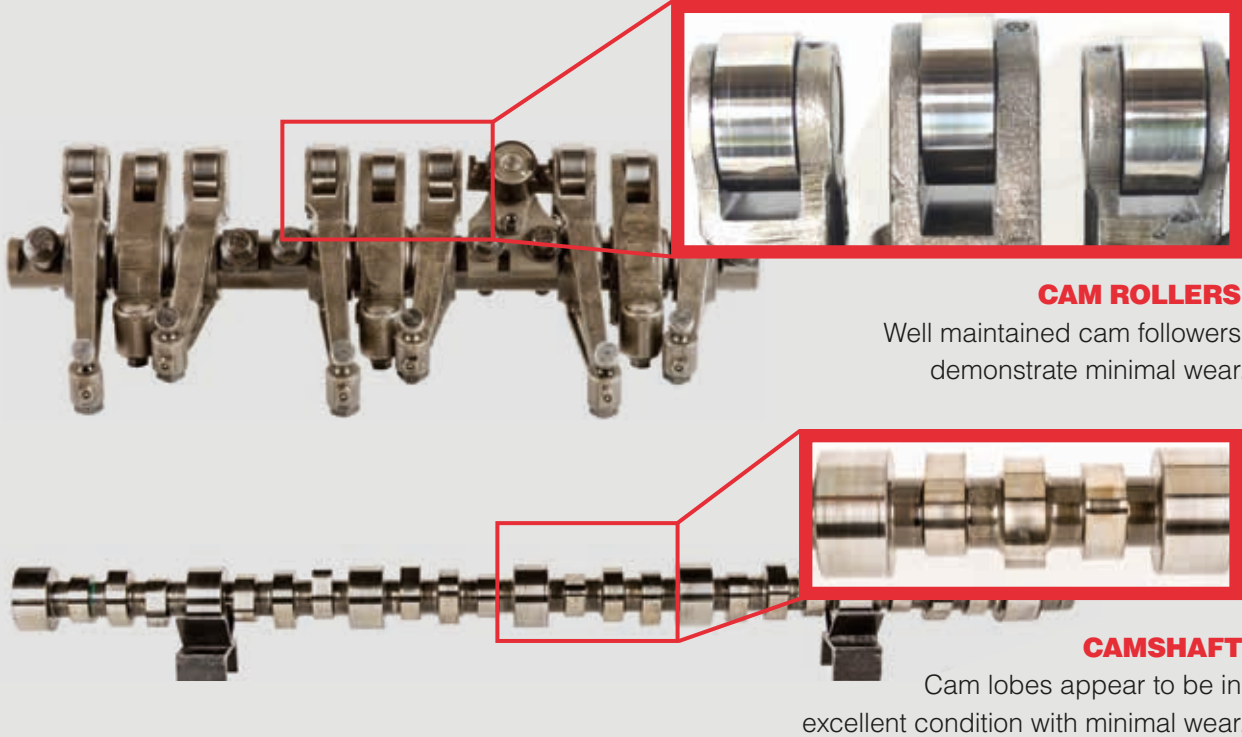
* Extending drain intervals should always be undertaken in conjunction with an oil analysis program.
** DURON GEO LD 15W-40 and 10W-30 are also CES 20086 approved.
Note: SAE 0W-30 and 0W-40 viscosities are suitable for use in engine models requiring CES 20086 quality oils.

STRONGER IN EVERY WAY DURON™ CORE TECHNOLOGY IN ACTION

2014 CUMMINS ISX 15.0L ENGINE AFTER 500,000 MILES IN THE FIELD

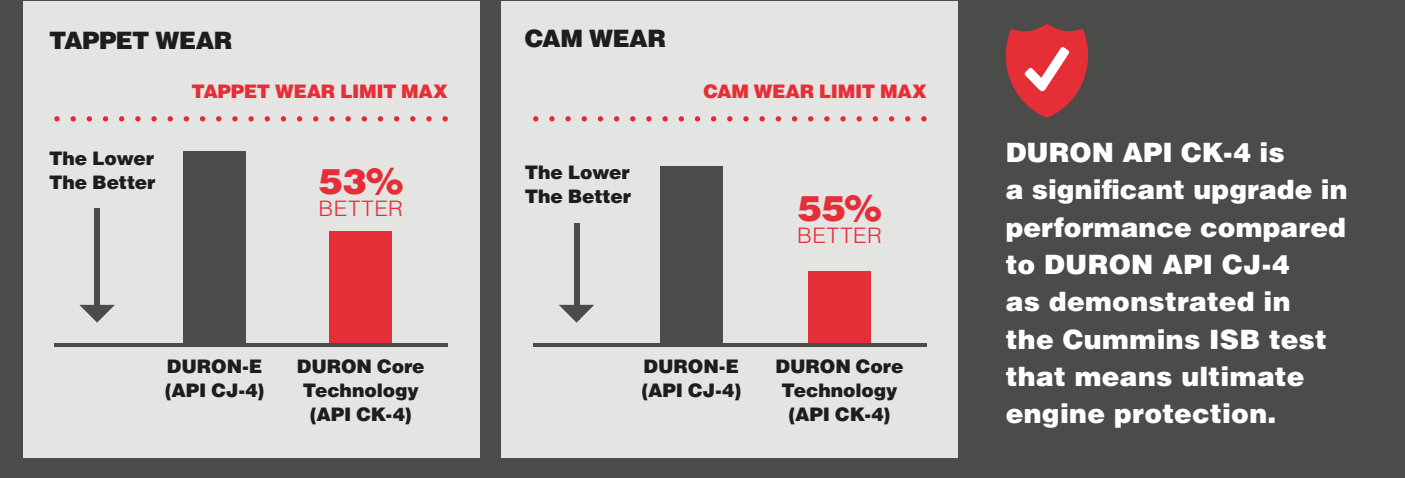


LINERS
Liners are still in excellent condition, demonstrating minimal wear with cross hatching marks clearly intact.



CAM ROLLERS
Well maintained cam followers demonstrate minimal wear.

CAMSHAFT
Cam lobes appear to be in excellent condition with minimal wear.



CUMMINS DIESEL ENGINES OIL DRAIN INTERVALS

ENGINE TYPE	SEVERE*	SHORT-HAUL*	NORMAL*	LIGHT*	API / GRADE
GHG '21 X15 PRODUCTIVITY, EFFICIENCY AND PERFORMANCE GHG '17 X15 PRODUCTIVITY 25,000 MILES (40,000 KM) GHG '17 X15 EFFICIENCY 25,000 MILES (40,000 KM)	25,000 miles (40,000 km) - CES 20086/87 **	40,000 miles (64,000 km) - CES 20086/87 **	50,000 miles (80,000 km) - CES 20086/87 **	75,000 miles (121,000 km) - CES 20086/87 **	CK-4 or FA-4 / xW-40, xW-30
GHG '17 X15 PERFORMANCE	25,000 miles (40,000 km) - CES 20086/87 **	40,000 (64,000 km) - CES 20086/87 **	50,000 miles (80,000 km) - CES 20086/87 **	60,000 miles (96,500 km) - CES 20086/87 **	CK-4 or FA-4 / xW-40, xW-30
GHG '17 X12	40,000 miles (64,000 km) - CES 20086/87 **	50,000 (80,000 km) - CES 20086/87 **	60,000 miles (96,500 km) - CES 20086/87 **	75,000 miles (121,000 km) - CES 20086/87 **	CK-4 or FA-4 / xW-40, xW-30

* Light Duty > 7 mpg (3 kPL) or < 70,000 lbs (31,750 kg) gross vehicle weight; Normal Duty = 6 to 6.9 mpg (2.5 to 2.9 kPL) up to 80,000 lbs (36,000 kg) gross weight; Short Haul = 5 to 5.9 mpg (2.1 to 2.5 kPL) up to 80,000 lbs (36,000 kg) gross weight; Severe Duty < 5.0 mpg (2.1 kPL) or > 80,000 lbs (36,000 kg) gross weight.

CUMMINS DIESEL ENGINES OIL DRAIN INTERVALS

ENGINE TYPE	SEVERE*	NORMAL*	LIGHT*	API / GRADE
EPA 13 ISX 15**	20,000 miles (32,000 km) - CES 20086/81	30,000 miles (48,000 km) - CES 20086/81	40,000 miles (64,000 km) - CES 20086/81	CK-4 / xW-40, xW-30
EPA 10 ISX 15** EPA 13/EPA 10 ISX 12** EPA 07 ISX** EPA 07 ISM**	15,000 miles (24,000 km) - CES 20086/81	25,000 miles (40,000 km) - CES 20086/81	35,000 miles (56,000 km) - CES 20086/81	CK-4 / xW-40, xW-30
EPA 13/EPA 10 ISL 9** EPA 10 ISC 8.3** EPA 13/EPA 10 ISB 6.7**	Check with Cummins	20,000 miles (32,000 km)	Check with Cummins	CK-4 / xW-40, xW-30
EPA 07 ISC	Check with Cummins	15,000 miles (24,000 km)	Check with Cummins	CK-4 / xW-40, xW-30

* Light Duty > 6.5 mpg (2.8 kPL) or < 70,000 lbs (31,750 kg) gross weight; Normal Duty = 5.5 to 6.5 mpg (2.3 to 2.8 kPL) or 80,000 lbs (36,000 kg) gross weight; Severe Duty < 5.5 mpg (2.3 kPL) or > 80,000 lbs (36,000 kg) gross weight.

CUMMINS WESTPORT CNG/LNG ENGINES OIL DRAIN INTERVALS

ENGINE TYPE	SERVICE	MILES (KILOMETERS)	HOURS	MONTHS
ISX 12N* EPA '18	Truck Application: Recommended Engine Oil Drain Interval	25,000 (40,000)	500	6
	Truck Spark Plug Change	50,000 (80,000)	1000	12
L9N* EPA '18	Truck Application: Recommended Engine Oil Drain Interval	15,000 (24,000)	500	6
	Truck Spark Plug Change	45,000 (72,000)	1500	12
B6.7N* EPA '18	Truck Application: Recommended Engine Oil Drain Interval	15,000 (24,000)	750	6
	Truck Spark Plug Change	25,000 (40,000)	750	9
ISB6.7G* EPA '17	Truck Application: Recommended Engine Oil Drain Interval	15,000 (24,000)	500	6
	Truck Spark Plug Change	15,000 (24,000)	500	12
ISX 12G* EPA '13	Truck Application: Recommended Engine Oil Drain Interval	7,500 (12,000)	500	6
	Truck Spark Plug Change	15,000 (24,000)	1000	12
CUMMINS ISL G* / **	Truck Application: Recommended Engine Oil Drain Interval	15,000 (24,000)	500	6
	Truck Spark Plug Change	45,000 (72,000)	Check with Cummins	Check with Cummins
	Bus Application: Recommended Engine Oil Drain Interval	7,500 (12,000)	500	6
	Bus Spark Plug Change	22,500 (36,200)	Check with Cummins	Check with Cummins

* Light Duty > 6.5 mpg (2.8 kPL) or < 70,000 lbs (31,750 kg) gross weight; Normal Duty = 5.5 to 6.5 mpg (2.3 to 2.8 kPL) or 80,000 lbs (36,000 kg) gross weight; Severe Duty < 5.5 mpg (2.3 kPL) or > 80,000 lbs (36,000 kg) gross weight.

** For some older Cummins ISL G engines requiring Cummins CES 20084 approvals, use SENTRON VTP.

DURONGEO LD 15W-40 & 10W-30

PERFORMANCE PRODUCTS

DURON™ GEO LD 15W-40 and 10W-30 are specially formulated for the high combustion temperatures in today’s Compressed Natural Gas/Liquefied Natural Gas (CNG/LNG) mobile engines. The proven performance technology in DURON GEO LD delivers exceptional engine protection and stay-in-grade capability, helping to maintain the power and fuel economy of “like new” performance longer. DURON GEO LD retains its fresh oil properties longer, making it possible to extend drain intervals safely up to or beyond 1,000 hours* without risk of increased engine wear and sluggish performance. DURON GEO LD engine oils have earned the demanding Cummins CES 20092 approval and they are back serviceable to CES 20085 specifications. DURON GEO products also meet API CK-4 and CES 20086, so they are multi use for CNG/LNG as well as diesel engines. With suitability in both heavy-duty diesel and gasoline engines, DURON GEO LD is an ideal choice for ultimate protection in mixed fleets.

TAKES THE HASSLE OUT OF MIXED FLEETS

Now you can cut down on the complexity of running and maintaining mixed fleets. DURON GEO LD is an innovative product specifically designed to meet and exceed the needs of fleets that operate compressed natural gas and liquified natural gas vehicles, while also offering performance suitable for diesel and gasoline powered engines.

MAXIMUM PROTECTION – WHATEVER THE WEATHER

DURON GEO LD is exceptionally robust and specially formulated to safely extend oil drain intervals, while providing superior all-weather performance and advanced engine protection. It flows from start-up in cold weather, and stays in specification when the mercury climbs.

READY FOR YOUR VEHICLES

Approved by major diesel engine Original Equipment Manufacturers (OEMs) such as Cummins, Detroit Diesel, Mack, and Volvo, these innovative lubricants deliver a complete solution for mixed fleets that include mobile natural gas engines.

* Extending drain intervals should always be undertaken in conjunction with an oil analysis program.



THE POWER OF PARTNERSHIP

We are a different kind of lubricants company: more agile, more responsive and more driven. We work with our customers as true partners, because we know that only with performance products, dedicated technical people and advanced services can we make the biggest difference to their operations.



DURON™

HEAVY-DUTY ENGINE OILS
THE TOUGHER. THE BETTER.™

THE FULL DURON PRODUCT LINE FOR CUMMINS ENGINES

DURON heavy-duty diesel engine oils are formulated to exceed API CK-4 and FA-4 requirements

DURON^{HP} 15W-40

DURON HP 15W-40 is a High Performance heavy-duty engine oil that delivers all-weather engine protection including dependable cold start-up and exceptional shear stability. It can deliver extended drain capabilities (exceeding OEM standard intervals)*.



DURON^{SHP} 15W-40

DURON SHP 15W-40 is a Super High Performance synthetic blend heavy-duty engine oil that delivers exceptional performance. Outstanding shear stability combined with superior wear protection helps deliver comprehensive protection to vital engine parts over a wide range of operating conditions. DURON SHP 15W-40 is designed to handle more demanding operations, as well as extending drains.



DURON^{SHP} 10W-30

DURON SHP 10W-30 is a Super High Performance synthetic blend heavy-duty engine oil that delivers advanced engine protection and all-weather performance. It provides optimal engine durability and can deliver up to 1%** fuel economy improvement. DURON SHP 10W-30 keeps its fresh oil properties longer allowing for extended drains (versus OEM standard intervals)* and reduced need for top-up oil.



DURON^{UHP} 5W-30

DURON UHP 5W-30 is an Ultra High Performance synthetic all-weather heavy duty diesel engine oil formulated to provide fuel economy benefits and exceptional protection against engine wear and extended drain performance (exceeding OEM standard intervals) even in severe operating conditions.



DURON^{UHP} 10W-40

DURON UHP 10W-40 is an Ultra High Performance synthetic all-weather heavy-duty diesel engine oil. It is formulated to provide exceptional protection against engine wear and extended drain performance (exceeding OEM standard intervals)* even in the harshest operating conditions and maximum allowable load conditions. It combines superior pumpability and shear stability with excellent engine wear control. DURON UHP 10W-40 can potentially help improve fuel economy through ease of start-up, lower viscous drag and avoidance of the need for idling.



DURON^{UHP} 5W-40

DURON™ UHP 5W-40 is an Ultra High Performance full synthetic heavy-duty engine oil that provides excellent protection and performance, especially in low temperature environments. It helps conserve energy and reduces engine wear through ease of cold weather start-up and lower viscous drag.



DURON^{ADVANCED}

DURON ADVANCED 10W-30 and 5W-30 are synthetic blend and full synthetic heavy-duty diesel engine oils respectively and are formulated to the highest API diesel standards for 4-Stroke engine oils and are suitable for use in extended oil drain service. Extending drain intervals should always be undertaken with good operating practices and maintenance programs including an oil analysis program. API FA-4 provides additional fuel savings over CK-4 of the same grade, up to 1%***.



* Extending drain intervals should always be undertaken in conjunction with an oil analysis program.

** Comparing an SAE 15W-40 with 4.1cP HTHS vs a 10W-30 with 3.5cP HTHS.

*** Comparing an SAE XW-30 with 3.5cP HTHS vs a XW-30 with 3.1cP HTHS.



API CK-4 – replaces API CJ-4 and previous categories, delivering higher performance levels and backwards compatible for older engines.
API FA-4 – an even more advanced lower viscosity oil that delivers better fuel economy in next generation diesel engines.



360 TECHNICAL EXPERTISE.

THE COMPLETE SUPPORT SERVICE.

From smart product selection tools to performance-optimizing oil diagnostics and industry-leading reliability services, no one offers a support package like 360 Technical Expertise. Choose Petro-Canada Lubricants, and it's all yours, to make your life easier and your business more successful.

OIL DIAGNOSTICS

State of the art oil analysis and diagnostics. **Maximize your equipment reliability and efficiency to save you money.**



SAVING SOLUTIONS

Work with our experts to create a product optimization strategy. **Uncover real, measurable and sustainable cost and productivity savings.**



TARGETED TRAINING

Learn from the best in the industry. **Elevate your teams to tackle any challenge.**



RELIABILITY SERVICES

One of the most comprehensive reliability service offerings, from equipment inspections and optimization to storage assessments. **Everything you need to maximize your productivity and uptime.**



PRODUCT SELECTOR

Finding the right product for your application has never been easier. **Get the answers you need, fast.**

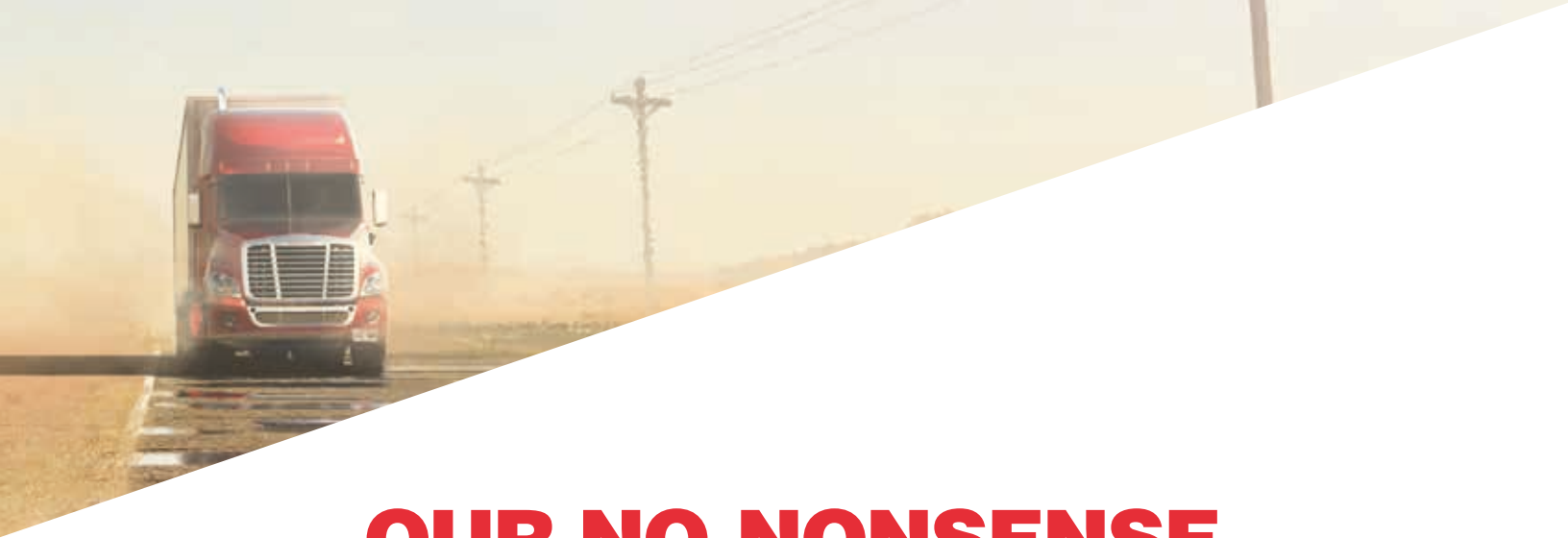


CERTIFIED CLEAN

Meet and exceed OEM and industry cleanliness requirements. **We can provide Guaranteed Cleanliness Filtration.**



For more about services, visit our website.
petrocanadalubricants.com



OUR NO-NONSENSE LUBRICANTS WARRANTY

“Petro-Canada will repair damaged equipment, or replace damaged equipment parts resulting from a failure due to defects of the Petro-Canada lubricant, as long as the lubricant is used in accordance with your equipment manufacturer’s and our recommendations.”

IT’S MORE THAN JUST A WARRANTY. IT’S A COMMITMENT.

To learn more about how Petro-Canada Lubricants can help your business visit: **petrocanadalubricants.com** or contact us at **lubecsr@hfsinclair.com**

Committed to the disciplined operation of our business.

