



Better Every™ Mile.

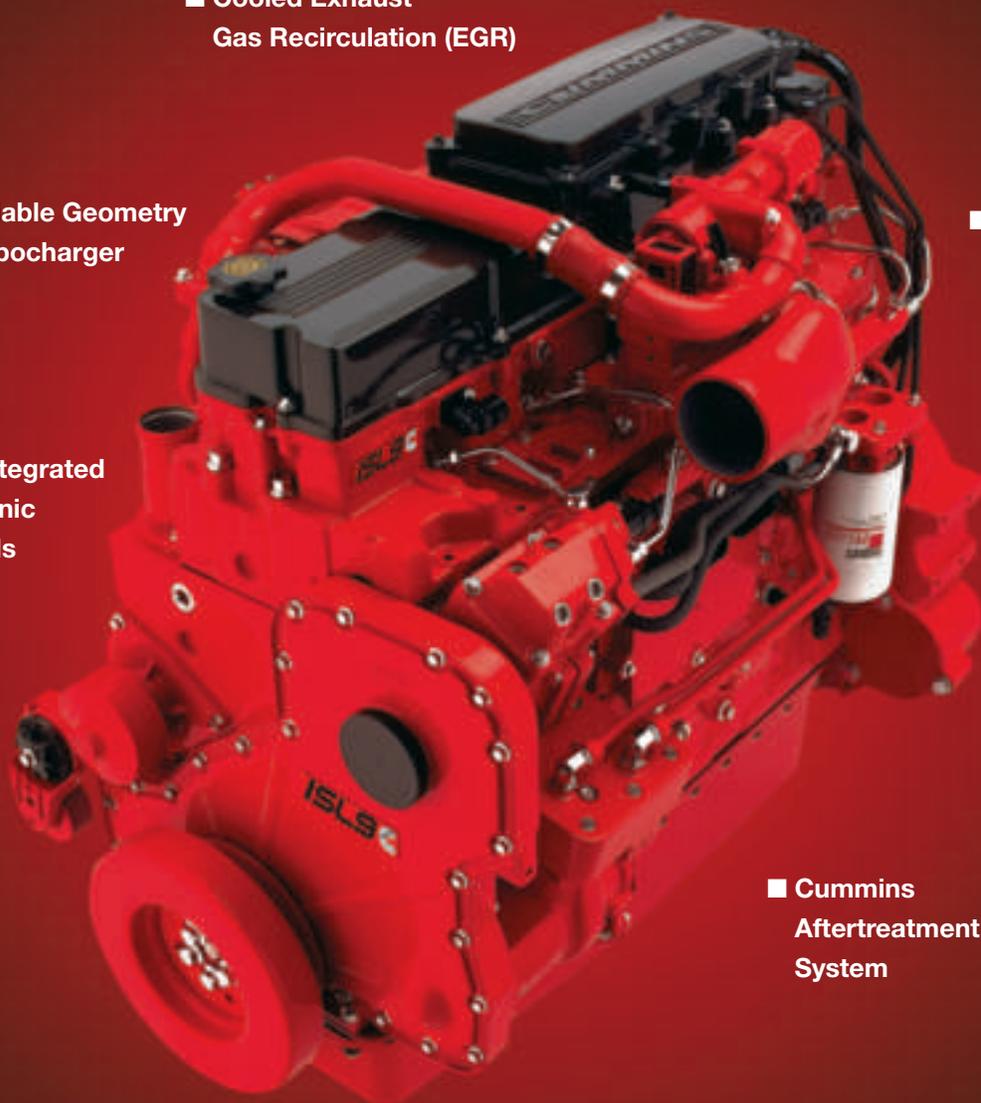
ISL9 For EPA 2010.

■ Cooled Exhaust
Gas Recirculation (EGR)

■ Variable Geometry
Turbocharger

■ XPI Fuel
System

■ Fully Integrated
Electronic
Controls



■ Cummins
Aftertreatment
System

Proven Performance. Every™ Time. ISL9 For EPA 2010.

More of a good thing. That's what you get with the Cummins ISL9 EPA 2010 engine. Very few changes have been made to the base engine in order to meet emissions standards. So you can expect the same high level of performance and reliability that ISL owners currently get from every piece of equipment, handling every workload.

The ISL9 has one of the highest power-to-weight ratios in its class, with heavy-duty features like replaceable wet liners. It features the XPI fuel system – the same technology that's used on the ISX15. This, combined with an improved Electronic Control Module (ECM) and improved airflow, allows the ISL9 to run stronger and with greater responsiveness than ever before.

Adding proven Selective Catalytic Reduction (SCR) technology to our aftertreatment system with cooled EGR and the Cummins Particulate Filter results in an engine that delivers near-zero emissions without compromising performance.

XPI Fuel System – The proven technology of the XPI common-rail fuel system delivers a precise quantity of fuel at ultra-high pressures. This, together with more robust electronic engine controls, enables multiple injection events per cycle. Flexibility in injection timing maximizes fuel economy and performance while decreasing exhaust emissions.



Heavy-Duty Design – Rugged features include replaceable wet liners, roller followers, by-pass oil filtration and targeted piston cooling for longer service in the toughest work environments.

VG™ Turbocharger – The Cummins VG Turbocharger is both simple and precise. Electric actuation allows infinite adjustment, providing the exact amount of boost necessary for superior response. The proven sliding-nozzle design has best-in-class reliability and durability.

Cooled EGR – This next-generation system lowers combustion temperatures for reduced emissions and optimized fuel economy.

Fully Integrated Electronic Controls – A single higher-capacity ECM controls everything from air intake to exhaust aftertreatment for peak performance and near-zero emissions.

Cummins Aftertreatment System – The proven Cummins Particulate Filter reduces particulate matter by over 90%. In 2010 it is combined with Cummins SCR to meet emissions standards while maintaining best-in-class performance, reliability and durability. Cummins SCR technology has been proven in over 200,000 European vehicles and uses Diesel Exhaust Fluid (DEF) to achieve NOx emissions at near-zero levels. DEF will be readily available; reference Cummins Filtration flyer LT15618 for more information.

ISL9 Specifications

Advertised Horsepower	345-380 HP	257-283 kW
Peak Torque	1150-1300 LB-FT	1560-1763 N•M
Governed Speed	2100 RPM	
Clutch Engagement Torque	575 LB-FT	780 N•M
Number of Cylinders	6	
Oil System Capacity	7.3 U.S. GALLONS	27.6 LITERS
System Weight	1,850 LB	839 KG
Engine (Dry)	1,650 LB	749 KG
Aftertreatment System*	200 LB	90 KG

*Increase over standard muffler and does not include chassis OEM-supplied components.

ISL9 Maintenance Intervals

Maintenance Item	Miles/Kilometers	Hours	Months
Oil and Filter*	20,000 MI 32,000 KM	500	6
Primary Fuel Filter**	20,000 MI 32,000 KM	500	6
Secondary Fuel Filter	40,000 MI 64,000 KM	1,000	12
Coolant Filter	None***	None***	None***
Overhead Adjustment	150,000 MI 241,500 KM	5,000	48
Standard Coolant Change****	80,000 MI 128,000 KM	2,000	24
Coalescing Filter	Every 3rd to 4th Oil Change Interval		
DEF Filter	200,000 MI (320,000 KM)		
Particulate Filter Cleaning	200,000-400,000 MI (320,000-640,000 KM)		

*Assuming normal duty cycle.

**OEM-supplied; intervals may vary.

***If engine is equipped with an optional coolant filter, it will need to be replaced on the same intervals as the oil filter. Regardless if the engine is or is not equipped with a coolant filter, SCA/DCA additive levels must be checked according to the interval listed in the Owners Manual.

****Extended coolant and drain/flush/fill intervals may be followed when certain requirements are met. For more information on these requirements, refer to the Cummins Coolant Requirements and Maintenance Service, Bulletin 3666132.



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Bulletin 4971190 Printed in U.S.A. 3/09
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