



450-600 HP / 1650-2050 LB-FT Torque



X15



# REWRITING THE BOOK ON HIGH PERFORMANCE DIESEL ENGINES. THE WORLD RECORD BOOK.



**C**ummins is the undisputed global leader in high performance, big bore diesel engines. For nearly two decades, the 15-litre Cummins X-Series platform has continually raised the bar, setting new levels of performance and operating efficiency that the competition can only aspire to. Now, with the introduction of the X15, Cummins is set to enhance its leadership position with an engine that has just one focus: delivering lowest total cost of ownership to our customers.

Beyond its proven hardware, the X15 features ADEPT technology, a suite of innovative electronic features aimed at saving fuel, and also Connected Diagnostics, a telematics solution which furthers Cummins' ability to provide exceptional customer support.

## THE X FACTOR.

The X15 is an evolutionary development of the ISXe5, the backbone of many successful trucking operations in Australia and New Zealand.

The X15 uses the same proven hardware and emissions reduction technology – Selective Catalytic Reduction (SCR) – as the ISXe5 and incorporates all the improvements in reliability, fuel economy, maintenance intervals and total cost of ownership that have made the ISXe5 a stand-out in the heavy-duty market.

As the only diesel engine manufacturer with in-

house integration of all critical subsystems from air handling to exhaust aftertreatment, Cummins is able to optimise the combustion process and provide that critical edge in fuel economy.

The XPI (Extreme Pressure Injection) common rail fuel system operates independently of engine speed, providing precise injection and combustion control at injection pressures greater than 30,000 psi. Multiple injection events per cycle improve fuel efficiency and enable smoother operation.

A legacy of proven performance goes into

every Cummins engine, and a key part of that performance is the turbocharger from Cummins Turbo Technologies. The X15 turbocharger provides rapid boost for better acceleration while its simple wastegate design ensures reliability.

The proven SCR exhaust aftertreatment on the X15 is a fully integrated system developed by Cummins Emissions Solutions (CES), dosing urea into the exhaust stream to reduce oxides of nitrogen (NOx) emissions. Importantly, it's a well-founded claim that Cummins SCR uses less AdBlue/DEF than competitor products.

## LESS TIME IN THE WORKSHOPS, MORE TIME ON THE ROAD

Extended oil drain intervals are a key factor in the X15 driving down total cost of ownership.

These extended intervals are the result of the most extensive oil validation field testing ever carried out by Cummins – testing in Australia to ensure the intervals would withstand the realities of our customers' operations in the toughest trucking conditions in the world.

The longest oil drain intervals are achieved using Valvoline Premium Blue 8100 oil – intervals that don't require oil sampling but do require the use of Fleetguard's patented Nanonet technology for oil filtration.

We have listened to our customers and responded with a solution that recognises total cost of ownership as the key determinant for their success.

## WARRANTY COVERAGE.

Cummins base engine coverage\* is 2 years/402,336 km/6250 hours, whichever comes first.

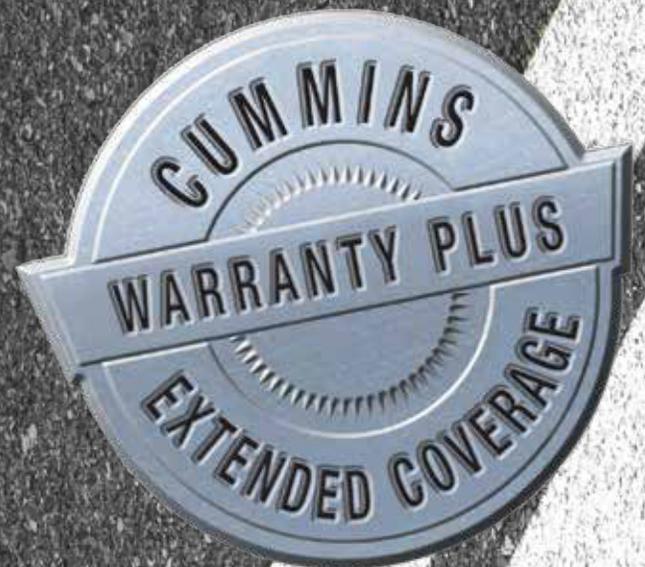
Covers full parts and labour on warrantable failures.

Covers travel and towing when an engine is disabled by a warrantable failure.

Extended warranty is also available.

Contact your local Cummins branch or authorised dealer for details.

\* Covers defects in materials or factory workmanship.

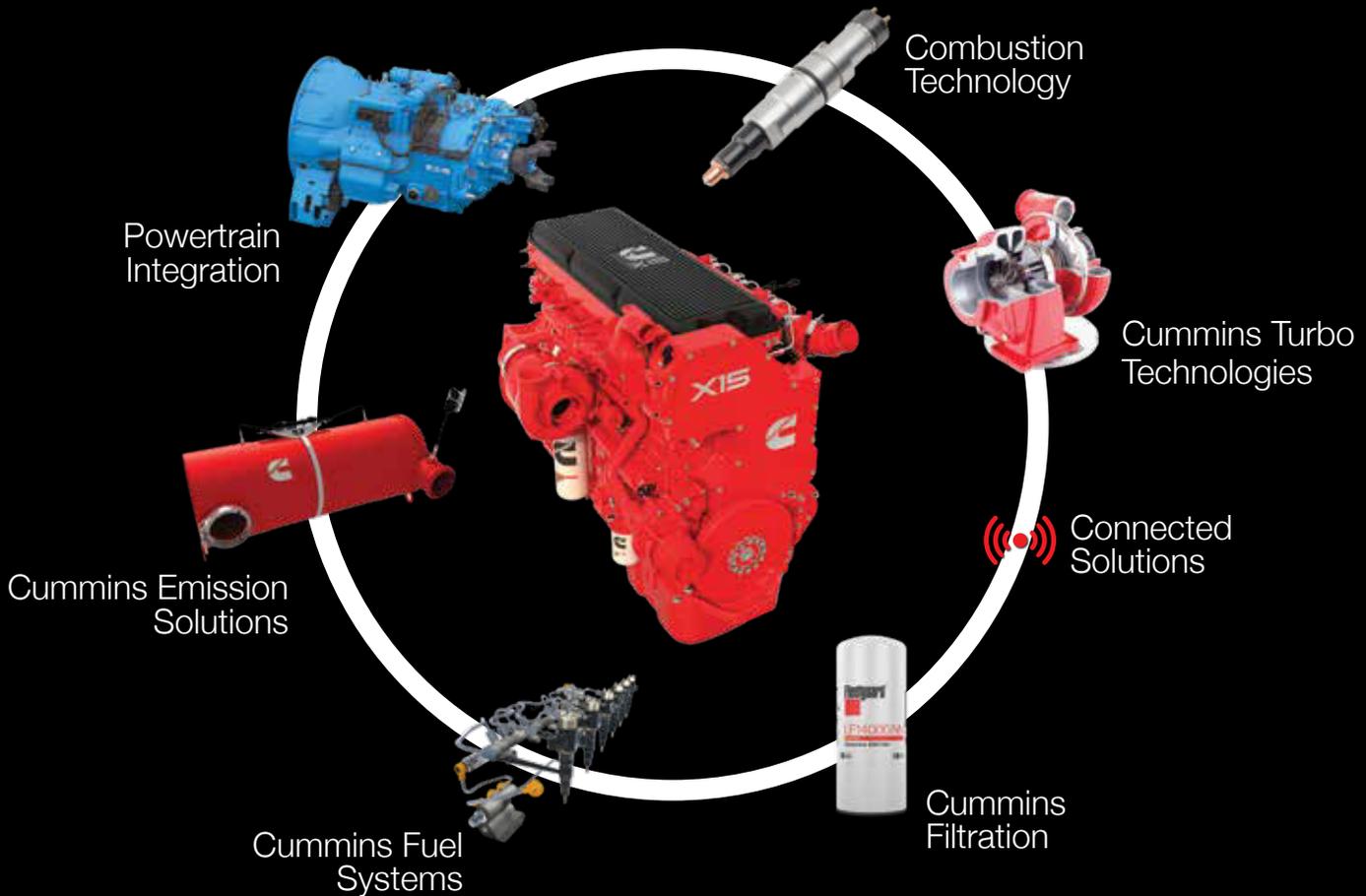


# REDEFINING INTEGRATION

A reliable solution is the consequence of the best engineering.

At Cummins we design, develop and support every component, so we can optimise the performance of our solutions.

From air and fuel filtration, powertrain intergration, to diagnostic systems you have the peace of mind that the components that make up a Cummins engine have been thoroughly tested both individually and as an integrated engine unit to provide a powerful and reliable solution.



# ADEPT FUEL SAVING TECHNOLOGY

The X15 features ADEPT technology – a suite of advanced electronic features capable of delivering fuel economy gains through improved powertrain integration.

ADEPT – Advanced Dynamic Efficient Powertrain Technology – is an option for use with Eaton's 18-speed automated UltraShift Plus transmission.

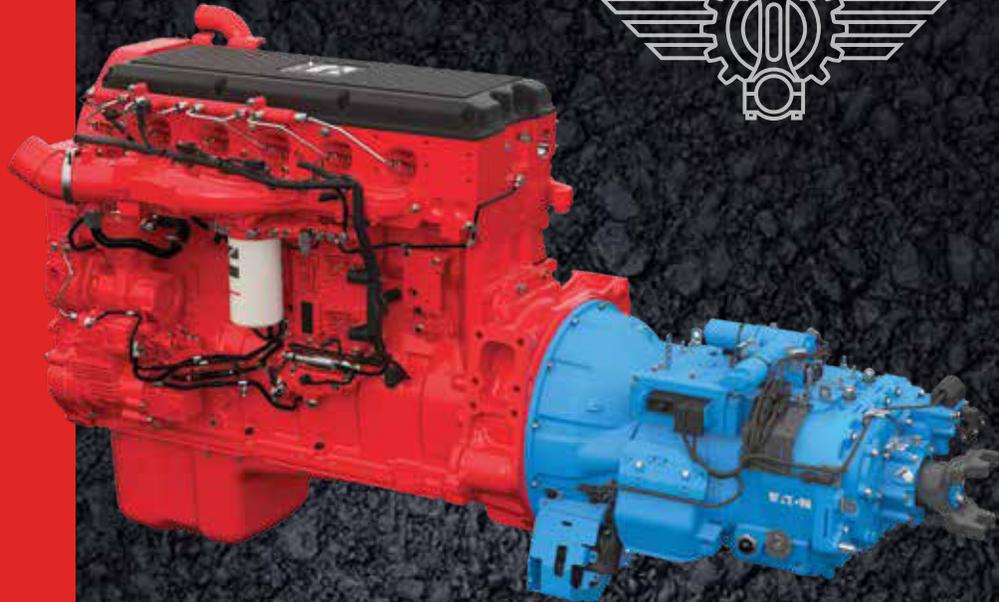
It utilises load, speed and grade-sensing technology to initiate adjustments to speed, power, and transmission gear selection to take advantage of vehicle momentum for better fuel economy.

The ADEPT package includes two features: **SmartCoast** and **SmartTorque2**.

**SmartCoast** operates when the vehicle is on a moderate downhill grade by disengaging the front X Y shifter of the transmission and returning the engine to idle to reduce drag, maintain momentum, and ultimately improve fuel economy. Once the engine commands the transmission to be put back in gear, the appropriate gear is engaged.

**SmartTorque2** uses torque management intelligence to help eliminate unnecessary downshifts and keep the engine operating in the most fuel efficient 'sweet spot'. Torque is varied across all gears depending on torque requirement. For Australian conditions, the torque varies from 1650 to 1850 lb ft or 1650 to 2050 lb ft depending on the horsepower and peak torque rating of the engine.

Further features such as predictive cruise control will be added to ADEPT in the future.



## SmartCoast



Fuel Command

## Without SmartCoast

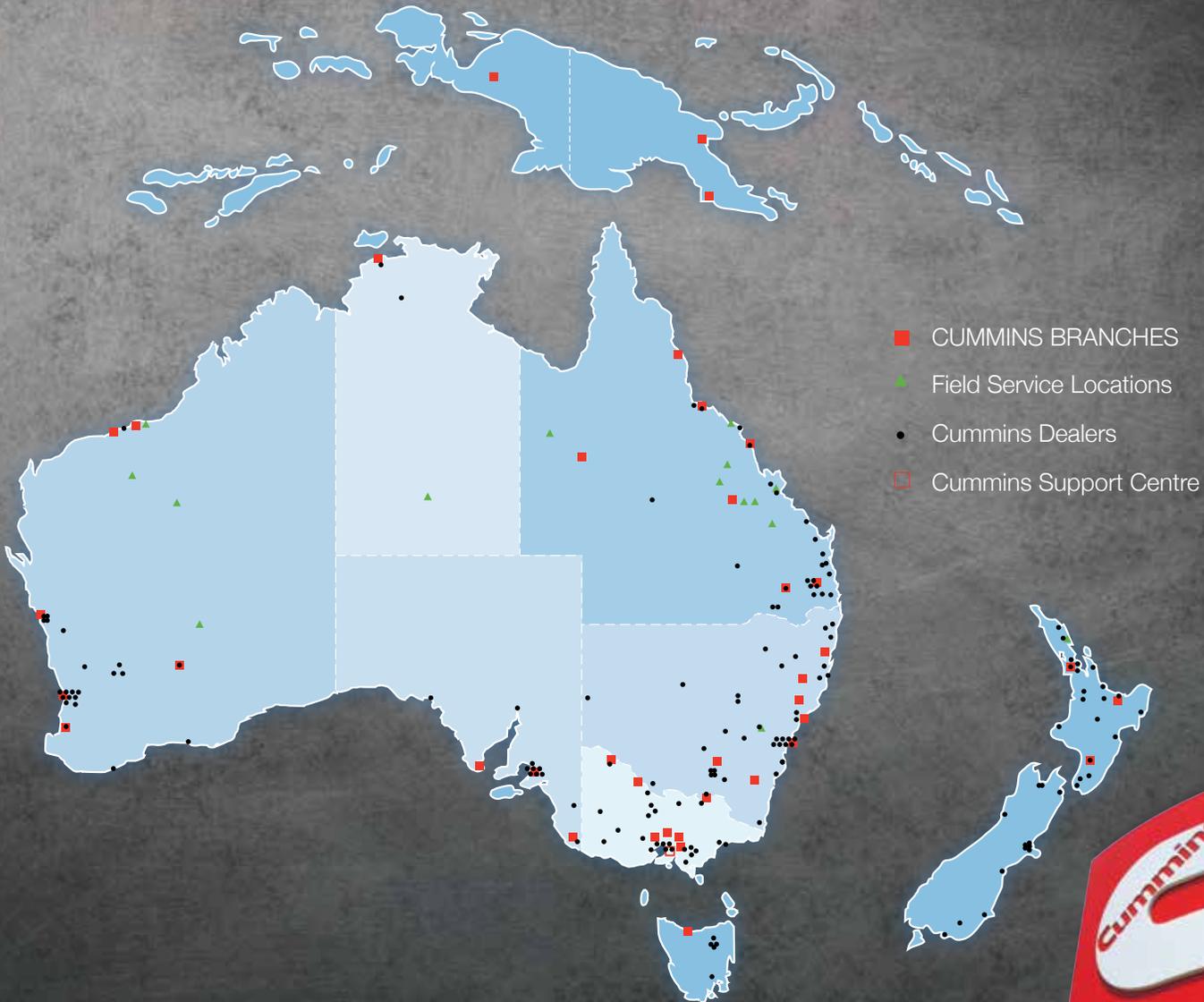


Fuel Command



# SERVICE WHEN YOU NEED IT

Cummins has the most comprehensive service support network in Australia and New Zealand with 38 branches, 170 authorised dealers, and more than 240 field service vehicles linked by GPS for fast response.



# COOL, CALM AND CONNECTED

Cummins Connected Diagnostics furthers Cummins' ability to provide exceptional customer support.

Through an active telematics connection, Cummins-powered equipment can now wirelessly connect to Cummins for immediate diagnosis of an engine system fault alert. Connected Diagnostics automatically processes the fault code data, sending instant notifications to the customer detailing probable root cause and providing recommended actions.

The expert advice, delivered by email, app or web portal, enables the fleet manager to make an informed decision about continuing truck operation and when to schedule a service visit for the most convenient time, thus maximising uptime.

Additional connected solutions to be added in the future include Over-the-Air (OTA) engine programming and customisation. This will allow an engine to be reprogrammed or updated with the latest calibration without having to take the truck to a service bay.



## Connected Solutions



## WE ARE HERE TO HELP

With Cummins you're not just buying an engine. You're buying a partnership with all the support, services and parts you need.

Our extensive service centre network, authorised dealers and field service vehicles ensure that no matter where you are or going that we can assist you in maintaining your Cummins engine.

In addition, customers can call the Australian based Cummins Support Centre any time of the day, any day of the year, for breakdown assistance or technical advice. All you need to do is ring a single number - 1300 CUMMINS (if you're in Australia) or 0800 CUMMINS (if you're in New Zealand) - and you can speak directly to a highly experienced Cummins service technician.

# X15™



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