

COMING SOON

Cummins Westport
The Natural Choice



Move to Zero

2018 Heavy Duty Natural Gas Engine

INTRODUCING THE NEW

ISX12N™



Heavy Duty Class 8
performance and
efficiency

Improves air quality
and lowers noise
pollution

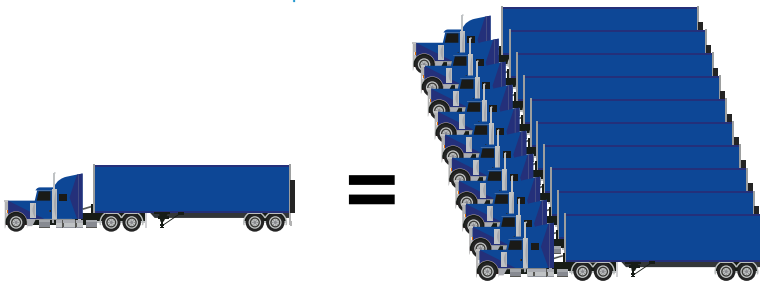
More cost effective
compared to electric
powered vehicles

Lowest emission
Heavy Duty Truck
engine in North America

Reduced Emissions from Heavy Duty Trucks

- Reduces smog forming NOx emissions by 90% vs. EPA NOx Standard
 - NOx emissions from TEN ISX12N powered vehicles = emissions from ONE 2010 certified vehicle
 - Clean technology for Clean Air Act Ozone Nonattainment areas
- Reduces Greenhouse Gas emissions
- Will be certified to the US Environmental Protection Agency (EPA) and California Air Resources Board (ARB) Optional Low NOx Emissions standards of 0.02 g/bhp-hr.

NOx Emissions Reduction Impact



NOx emissions from ONE truck with a 2010 certified engine

NOx emissions from TEN trucks with the ISX12N engine

Cost Effective Emissions Reduction

- Over 70,000 (6.7 to 12 litre) engines in service with Cummins Westport stoichiometric cooled Exhaust Gas Recirculation technology
- Lowest cost Move to Zero option
 - Minimal cost impact vs current natural gas product
 - No infrastructure changes for current NG fleets
 - Conventional vehicle range between fuel stops
 - Vehicles cost significantly less than electric
- Available from leading truck manufacturers for heavy duty on-highway transport, port drayage, refuse, vocational, and conventional truck applications
- Reduce emissions today, and provide immediate urban air quality benefits
 - New vehicles or repowers of existing natural gas vehicles
- Visit the Natural Gas Playbook for a step by step guide to evaluating natural gas for your fleet - cwiplaybook.com



Renewable Fuel

- Capable of operating on 100% Renewable Natural Gas (RNG)
 - Recycled methane naturally produced from composting or landfills
- Significant greenhouse gas reduction
- Meets California 2023/2031 NOx and petroleum reduction goals now
- Reduce GHG Emissions with natural gas: Use our emissions tool to calculate your fleet's potential emissions reductions – visit <http://cwiplaybook.com/assess/>

The Natural Choice

- Cleanest Internal Combustion technology
- Available today for heavy duty trucks
- Lowest incremental vehicle cost to diesel
 - More vehicles per \$
- Fueling infrastructure in place and growing
- Natural gas is the lowest carbon fuel available, with abundant supply and stable pricing

