



# The 2016 ISX15

Now a great engine is even better!



The ISX15 was already at the head of the pack for fuel economy, reliability, durability, emissions reduction and operating cost. Now the 2016 ISX15 includes enhancements to key engine components, reinforcing its position as the engine of choice for long haul and heavy duty truck fleets.

## Lower Cost of Ownership

Longer maintenance intervals and faster maintenance procedures mean less time in the shop, more time on the road.

### Maintenance Simplified

- Hydrocarbon doser is maintenance-free
- Crankcase ventilation filter is maintenance-free
- Coolant filter is optional with the correct coolant

### Longer Maintenance Intervals

- Diesel Particulate Filter (DPF) ash cleaning interval increased to 400,000-500,000 miles

## Longer Recommended Intervals Reduce Maintenance Costs

	2012	2013	2014	2015	2016
<b>Low Pressure Fuel Filter</b>	25,000 miles	40,000 miles			
<b>High Pressure Fuel Filter</b>	25,000 miles	40,000 miles			
<b>DPF Cleaning</b>	200,000 miles		300,000 miles	400,000 miles	400,000 – 500,000* miles
<b>Hydrocarbon Doser</b>	150,000 miles	Maintenance-free			
<b>Coolant Filter</b>	50,000 miles				Optional (Part cost savings \$550)
<b>Oil Drain Interval</b>	35,000 miles	40,000 miles			
<b>Crankcase Breather</b>	125,000 miles			175,000 miles	Maintenance-free (Part cost savings \$440)

\* 400,000-500,000 miles for trucks averaging 5.5 mpg or higher. For trucks averaging less than 5.5 mpg the interval is 250,000-400,000 miles. A dash lamp will illuminate to indicate when cleaning is needed.

### Enhancements Maximize Uptime

Fewer repairs mean less time in the shop; less frequent dash light warnings mean fewer stops for troubleshooting; faster diagnostics speed up repairs.

#### Hardware Enhancements

- NOx sensor with improved moisture protection
- Effective lubrication and protection with enhanced oil bypass valve.
- Turbo actuator improvements increase responsiveness
- EGR cooler has improved thermal fatigue resistance
- More robust SCR catalyst
- Ammonia sensor eliminated
- Power cylinder and piston ring design modifications substantially reduce oil consumption
- Thermal recirculation valve to combat fuel gelling (optional)

#### Streamlined Diagnostics and Software

- Engine dash light notifications reduced by 65%
- Simplified logic for DEF level notifications
- Updated software performs more accurate diagnostics
- Connected Diagnostics employ telematics for quick diagnosis

### Improved Fuel Economy

A number of engine and component enhancements reduced fuel consumption:

- Proprietary ADEPT electronic control improves vehicle efficiency
  - SmartTorque2 optimizes available engine torque
  - SmartCoast takes advantage of momentum to reduce fuel usage as much as 3%
  - Predictive Cruise Control capabilities available for even further fuel economy improvements.
- Vehicle Acceleration Management improves fuel economy and reduces tire and driveline wear
- SmartAdvantage offers smooth shifting, driveability, 2-7% better fuel economy
- NanoNet fuel filter offers increase protection and fuel flow for better cold start capability
- Naturally-aspirated air compressor enables up to 1.5% fuel efficiency gain.
- Design adjustment improves turbo diffuser efficiency

Performance and efficiency.  
No compromises.

Learn more about the ISX15,  
including specifications and ratings,  
at [cumminsengines.com](http://cumminsengines.com)

#### What makes ISX15 the preferred engine for line-haul and heavy duty fleets?

- Most fuel-efficient
- Lower cost of operation
- Best-in-class low end torque
- Unmatched engine braking
- Superior uptime and durability
- Highest performance heavy duty engine
- Most extensive service & support network
- Better residual value



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