

# CLEANER. LEANER. MEANER.



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**ROUSH CleanTech's Generation 5 is the next advancement in powertrain technology, delivering more power in a compact package.**

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The innovative propane autogas technology integrates Ford's new 7.3L V8 engine in Class 3-7 chassis. The Gen 5 engine is:

- Compact and more powerful.
- Easier to maintain with more room to perform service work.
- Higher in peak horsepower.
- Equipped with technical innovations including stronger and lighter forged fuel rails, refinements to belt and accessory drive and streamlined fuel system routing and integration.
- 70% cleaner than federal emissions standards.
- Warrantied with unlimited mile powertrain.
- Backed by 45 years of Roush engineering and over 1 billion miles of alternative fuel experience.

The Ford 7.3L engine is produced at high volumes — more than 600 engines per day. That's six times the competition!

Available in Ford commercial vehicles (F-450/F-550; F-650/F-750; F-53/F-59; E-350 cutaway; and E-450 DRW cutaway), Micro Bird G5 Type A buses and Blue Bird Vision Type C buses.

\*Also available with gasoline fuel system in school buses.



**ROUSH**  
CLEANTECH



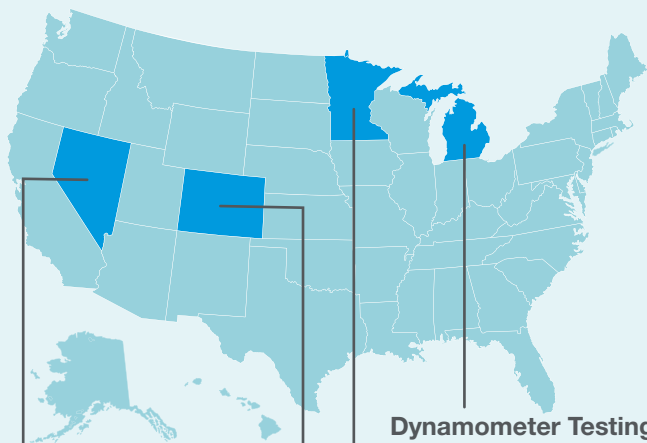
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## REDUCED EMISSIONS

ROUSH CleanTech vehicles are **70% lower** than California Air Resources Board and Environmental Protection Agency federal emission standards.

Emission	% lower than EPA / CARB standard
Formaldehyde (HCHO)	100% lower
Nitrous oxide (N2O)	80% lower
Particulate matter (PM)	80% lower
Methane (CH4)	70% lower
Nitrogen oxides (NOx)	75% lower
Carbon monoxide (CO)	65% lower
Non-methane hydrocarbons (NMHC)	64% lower
Carbon dioxide (CO2)	11% lower

## EXTENSIVELY ROUSH-TESTED



### Hot Weather Testing

Las Vegas, NV

- Hot / dry weather.
- High mountain elevation.

### High Altitude Testing

Denver, CO

- 11,000 feet.
- 6% grade.

### Dynamometer Testing

Livonia, Michigan

- Durability.
- Calibration.
- Emissions.

### Cold Weather Testing

Bemidji, Minnesota

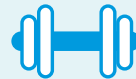
- Extreme snow.
- Temperatures on- and off-road.

## 7.3L SPECS



### ENGINE RPM

Idle: 680 Max: 4,050



### POWER

HP: 335  
Torque: 468 ft-lbs. @ 3,900 RPM



### DESIGN

90° V8 / 445 CI / Pushrod 2V



### COMPRESSION

10.5 to 1

## ROUSH CLEANTECH'S GEN 5 WITH FORD 7.3L 2V GODZILLA ENGINE

Displacement	7.3L / 445 CI
Compression	10.5 to 1
Idle / max RPM	680 / 4,050
Height	835 mm
Width	757 mm
Length	766 mm
Weight	545 lbs.
Peak horsepower	335
Peak torque	468 ft lbs. @ 3,900
Valvetrain	Pushrod 2V
Bore & stroke	107.2 x 101.0 mm
Air intake	Naturally aspirated
Ignition	Coil near plug
Crankshaft	Forged steel
Piston rods	Powder forged high alloy
Main	4 bolt cap with 2 side bolts
Block	Cast iron
Cylinder heads	Aluminum
Intake	Composite
Oil capacity	8 quarts
Injection	Multiport in head
Throttle	Electronic