



Autogas Answers; San Diego

Tuesday, September 17, 2019

Enterprise Brand Portfolio

The Roush logo, consisting of the word "ROUSH" in bold black letters.

ROUSH Industries

OEM manufacturing, engineering, prototyping and design



Roush Fenway Racing

Dominant NASCAR Sprint Cup racing team



ROUSH Performance






Industry leading high performance vehicles

The Roush CleanTech logo, featuring the word "ROUSH" in bold black letters above the word "CLEANTECH" in blue letters.

ROUSH CleanTech

Propane autogas powered commercial vehicles.

Transportation Fuel/Energy Options

					
Ease of Adoption	✓	✓	✓		
Energy Independence			✓	✓	✓
NOx Emissions			✓	✓	✓
Fuel Infrastructure	✓	✓	✓		
Cost of Ownership			✓		
Range	✓	✓	✓		
Maintenance		✓	✓	✓	✓
Scalable	✓	✓	✓		
Cold Weather Operation		✓	✓		

Our Scorecard

OVER

20,000

VEHICLES ON
THE ROAD

ACCUMULATED
OVER

1

BILLION MILES

OVER

1,500

CUSTOMERS



Propane Autogas Product Lineup

- Medium duty Ford trucks, chassis cabs, cutaways, and stripped chassis
- Purpose Built Engine
- OEM Ordering Options
- Factory Ford warranty maintained
- No loss of HP / torque / towing capacity
- Serviceable with existing diagnostic equipment
- EPA, CARB & HD-OBD compliant
- Low NOx (Near-Zero), both 0.05 & 0.02 g/bhp-hr compliant



Ford F-53 / F-59



Ford E-450



Ford F-450/550



Ford F-650/750

							
Linen							
Food/Bakery							
Beverage							
Transit							
Vending							
Logistics							
Propane							
Ford E-350 / E-450 6.8L V10 2V		●		●	●	●	
Ford F-450 / F-550 6.8L V10 3V Low NOx			●	●	●	●	●
Ford F-650 / F-750 6.8L V10 3V Low NOx	●	●	●		●	●	●
Ford F-53 / F-59 6.8L V10 3V Low NOx	●	●				●	

■ Additional Industries

- Government (Municipal, County, State, etc.)
- Tree and Landscape
- Towing
- Airport
- Armored Delivery



Ford F-450 / F-550 – Class 4 / 5

- 6.8L V10 3 Valve – Low NOx
 - <19,500lbs GVWR
 - >169"WB and 64"CA
 - Driver / Passenger Side and After Axle
- Tank Options
- 35 and 52 Usable Gallons
 - Range: 150 – 260 Miles



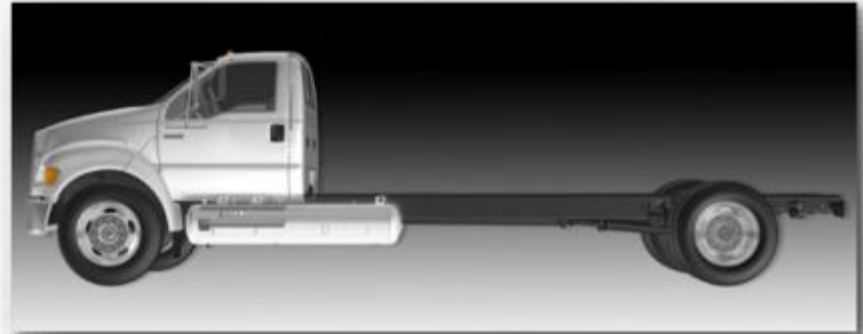
Ford F-650 / F-750 – Class 6 / 7

- 6.8L V10 3 Valve – Low NOx (Near-Zero)
- <33,000lbs GVWR
- All Configurations
- Dual Saddle Mount Short Tanks -
 - Drop Frame / Non-Clean C/A
- 54 Usable Gallons
- Range: 160 – 220 Miles



Ford F-650 / F-750 – Class 6/7

- 6.8L V10 3 Valve – Low NOx (Near-Zero)
- <33,000lbs GVWR
- All Configurations
- Driver Side Tank
- 50 Usable Gallons
- Range: 160 – 320 Miles
- Dual Long / Short Combination Now Available, 74 Usable Gallons



Ford F-53 / F-59 – Class 5 / 6

- 6.8L V10 3 Valve – Low NOx (Near-Zero)
- 16,000lb – 26,000lb GVWR
- >168" WB
- Driver Side and After Axle Tank
- 45 Usable Gallons
- Range: 200 – 260 Miles



Ford E-350 / E-450 – Class 3 / 4

- 6.8L V10 2 Valve
- <14,500lbs GVWR
- Any WB and CA
- After Axle Tank
- 41 and 64 Usable Gallons
- Range: 240 – 380 Miles



In Summary...

- Commercially Available / Strong OEM Partners
- Existing, Available, & Proven Fuel Supply / Infrastructure
- Robust & Proven OEM Purpose Built Engine / Fuel System
- Over 20,000 Vehicles & 1,500 Customers
- Accommodating to ALL Vocations
- Nationwide Service Network (Over 700 Service Providers)
- HD-OBD, EPA, & CARB Compliant
- Ultra-LOW NOx (Near-Zero); 0.02 g/bhp-hr – Funding Eligible!
- Clean by Composition, not Cleaned by Complexity
- Diesel Displacement / Aftertreatment
- Low Cost, Domestic, & Abundant Fuel