

U.S. Foodservice - SE Region

Centron Testing - Trailers / ThermoKings

Roanoke, Virginia - August 17-19, 2008

Test	Trailer #	Date	Weather Temp	Running Hours	Fuel Burned	Fuel Rate GPH	Percent Change +/-
Baseline Test	8059	Aug 17-18	Sunny 67-81	24 hrs	20.2 gals	0.842	
Centron Test	8059	Aug 18-19	Sunny 67-82	19 hrs	14 gals	0.737	12.5%
Baseline Test	8052	Aug 17-18	Sunny 67-81	25 hrs	23 gals	0.920	
Centron Test	8052	Aug 18-19	Sunny 67-82	15 hrs	11.8 gals	0.787	14.5%
Baseline Test	8032	Aug 17-18	Sunny 67-81	25 hrs	21.4 gals	0.856	
Centron Test	8032	Aug 18-19	Sunny 67-82	16 hrs	12 gals	0.750	12.4%
Total				Hours	Fuel	GPH	% GPH Gain
Baseline Test				74 hrs	64.6 gals	0.873	
Centron Test				50 hrs	37.8 gals	0.756	

Notes:

The Trailers / TK Units were stationary. All TK Units were control set the same front and rear. Front frozen; Rear chilled. Settings were identical for the Baseline & Centron test.

Initial Baseline Test cool-down time was calculated to be 45 minutes per TK data. Before the Centron Test was started, TK units were shut down to allow for return to "Warm" status as in original Baseline status/condition. TK Units restarted with Centron.

Centron Test Phase was run for fewer hours due to shut down time, having to refuel the Trailer Refer Units by hand, and that the fact on Friday Aug 19, the weather began to change - started to rain and the temperature increased rapidly (near 90), which was significantly higher than the temperature recorded during the baseline test.

Despite fewer hours, Centron produced an average improvement in GPH of 13.4% clearly demonstrating the fuel economy performance benefits of Centron in USF Trailer / ThermoKing Refer units tested in a controlled environment.

