



Liquefied Natural Gas – 15 Liters

Year: Make: Model:

Engine: Transmission: Fuel Tanks: Front Axle:

Front Axle: Rear Axle: Ratio: Suspension:

Wheels: Tire size:

Wheelbase: 5th Wheel: Frame: Approximate Weight:

2007 Kenworth T800 Day Cab **Cummins ISX** 400 HP / 1450# FRO16210B 65gal plus/120gal (LNG) 12K 40K 3:55/3:70(Port) AG380 KW (8-air Bag) AG400 (Port) Aluminum 22.5LP, (Super Singles on Lightweight) 197 24.5" A/S 10-5/8 Steel 17,276 Lb. (Incl. Fuel)





Year:	2010	
Make:	Peterbilt	
Model:	384 Day Cab ISL-G	
Engine:	ISL-G 320HP @	
	2,000 RPM	
Transmission:	Allison 3000 HS	
Fuel Tanks:		
Front Axle:	12K	
Rear Axle:	38K	
Wheels:	Aluminum	
Tire size:	22.5LP	
Wheelbase:	176	
5th Wheel:	24" A/S	
Frame:	10-5/8 Steel	
Approximate Weight:	13,739 Lbs.	

Liquefied Natural Gas – 8.9 Liters





Future: Electric Truck



Zero Emission Hydrogen Fuel Cell Electric Class 8 Heavy-Duty-Truck

Туре	PM Synch. Motor	
Cooling Media	Water-Glycol	
Rated Voltage DC	750 V	
Rated Power	320 KW @ 1500 rpm	
Rated Torque	2900 Nm @ 360 A	
Max. Torque	4500 Nm @ 640A	
Rated Current	360 A	
Max. Speed	3.500 rpm	
Weight	500 kg	
Dim. (LxWxH)	660 x 510 x 500 mm	
Ambient Temperature	- 30 °C to 70 °C	
Degree of Protection	IP 65 / 9k	



Siemens: Pem-Motor 1DB2024-WS36

3,300 lbs/torque

Class 8 TractorPower - Hydrogen Fuel Cell

ION Lithium Batteries

Alternative Vehicle Solutions

Comparisons of Short Haul Trucks (Annual)

(City and Highway combined 50,000 miles per year)

	2007 Diesel	LNG	Hydrogen
Horsepower	450 peak	450 peak	536 peak
Torque (foot/lbs)	1,350 peak	1,350 peak	3,300 available
Fuel	10,000 Gal.	16,700 Gal.	10,000 lbs
Particulates	12.37 lbs	4.6 lbs	0
NMHC	173 lbs	0	0
МНС	0	66.5 lbs	0
NOx	1,485 lbs	570 lbs	0
CO2	217,800 lbs	142,145 lbs	0



Alternative Fuel Vehicle - Zero Emission (Battery Electric)

Please see the TransPower Presentation for details of their truck.





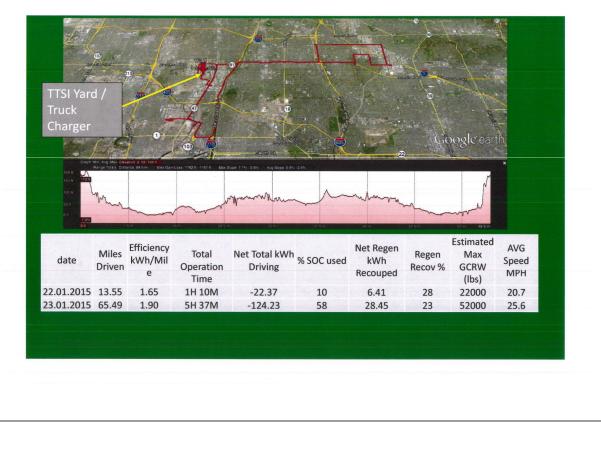
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TTSI is currently testing two (2) road tractors and 1 yard tractor. Their plan is for us to test an additional 5 to 6 road tractor.



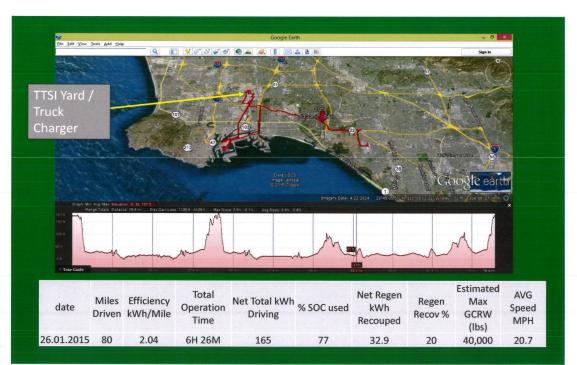
TTSI's first load using EDD2

TransPower



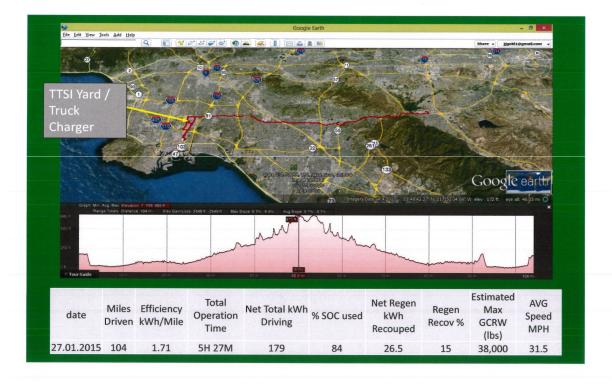
TTSI more local service

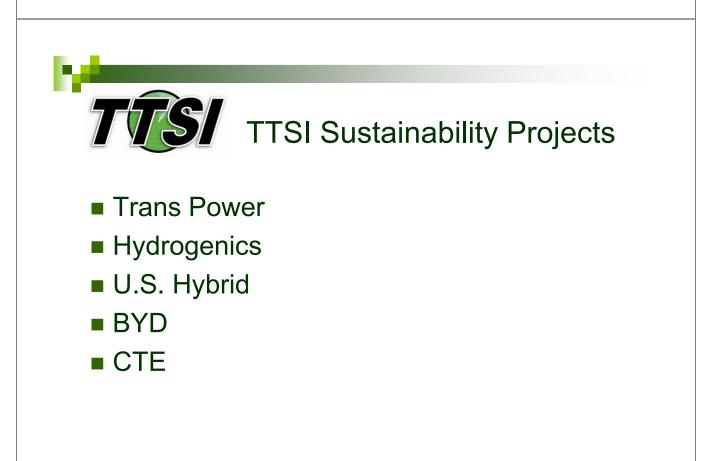
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TTSI HWY RUN to Riverside and back

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For more information on TTSI, please visit our website at: <u>www.tts-i.com</u>

Thank You