



SUPERIOR PRODUCTS INTERNATIONAL II, INC.

Update: Super Therm® on Reefer Trucks

July 2008

On July 25th, 2003, Land Line Magazine (The Business Magazine for Professional Truckers) wrote an article that reported the results of a test done by a large grocery company in Arizona. The company compared its Super Therm® coated trucks to 2 “control” trucks. One control truck was un-coated, and the other having the truck manufacturer’s “heat resistant” composite top. Their 2003 report on fuel savings states:

“In July, the Super Therm® coated units burned 30 percent less fuel than the “control” units, and 20 percent less than the manufacturer’s heat-resistant composite units.”

“In October, the Super Therm® units burned 27 percent less fuel than the “control” units and 22 percent less fuel than the manufacturers’ heat-resistant composite roofing system units.”

Though impressive, these numbers were figured when the national average for Diesel fuel \$1.10 per gallon. As validated on the graph at the end of the update, a review shows that Diesel fuel now has a national average of \$4.72 per gallon. More than 4 times the cost of Diesel fuel 5 years ago.

The percentage of savings has remained the same. Although, the dollars saved has changed greatly.

The July report also states:

“On an annual basis, this resulted in decreased fuel consumption of 1,039 gallons and 463 gallons respectively. At \$1.10 per gallon, the cost savings were \$1,143 and \$509 per unit.”

Calculating Diesel fuel at today’s price of \$4.70 per gallon, this now calculates to a cost savings of \$4,883 and \$2,176 per unit respectively. This is over 4 times the dollar savings than figured in 2003.

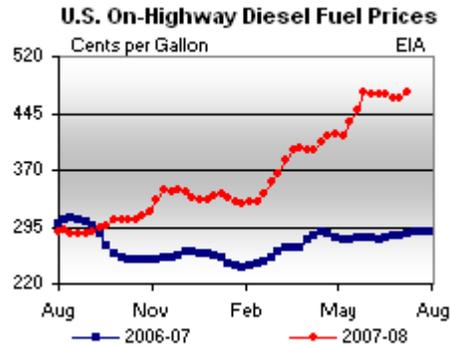
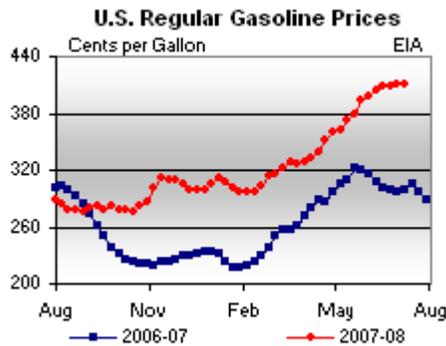
The October report also states:

“On an annualized basis, this resulted in decreased fuel consumption of 599 gallons and 435 gallons respectively. At \$1.10 per gallon, the cost savings were \$659 and \$479 per unit.”

This considers the cooler temperatures and shorter days of October. Calculating Diesel fuel at \$4.70 per gallon, this now calculates to a cost savings of \$2,815 and \$2,044 per unit respectively.



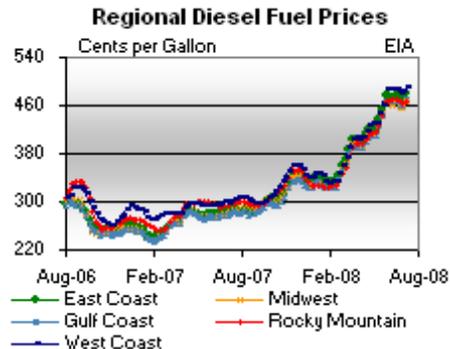
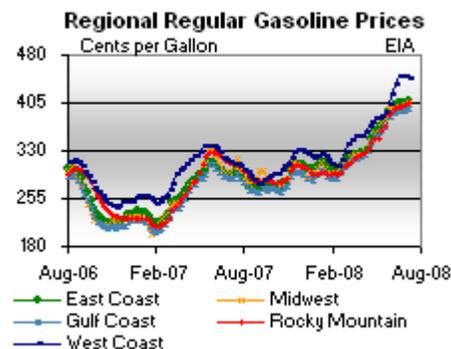
U.S. Gasoline and Diesel Fuel Prices, 07/07/08



Gasoline (Cents per Gallon)

Diesel Fuel (Cents per Gallon)

	07/07/08			Change from				07/07/08			Change from		
	Price	Week Ago	Year Ago	Week Ago	Year Ago	Price		Week Ago	Year Ago				
U.S.	411.4	↑ 1.9	↑ 113.3			U.S.	472.7	↑ 8.2	↑ 187.8				
East Coast	407.9	↑ 2.2	↑ 115.5			East Coast	478.9	↑ 8.5	↑ 193.6				
New England	414.3	↑ 2.3	↑ 115.7			New England	486.3	↑ 4.1	↑ 192.1				
Central Atlantic	411.5	↑ 1.1	↑ 115.8			Central Atlantic	488.7	↑ 6.5	↑ 195.1				
Lower Atlantic	403.3	↑ 3.0	↑ 115.2			Lower Atlantic	474.1	↑ 9.8	↑ 193.1				
Midwest	405.9	↑ 2.8	↑ 101.4			Midwest	465.4	↑ 8.3	↑ 183.2				
Gulf Coast	395.8	↑ 3.0	↑ 110.0			Gulf Coast	469.7	↑ 9.3	↑ 191.2				
Rocky Mountain	406.5	↑ 3.1	↑ 99.9			Rocky Mountain	467.2	↑ 3.4	↑ 171.7				
West Coast	444.0	↓ -1.6	↑ 136.0			West Coast	488.6	↑ 6.9	↑ 189.9				
California	455.0	↓ -2.3	↑ 141.4			California	500.1	↑ 7.3	↑ 191.1				



Additional Information regarding refrigerated trucks and trailers:

When coating trailers to insulate, there are a couple of points that are of interest to the trailer owners or operators.

- a. Fuel consumption is one point that can be reduced because the trailers do not become hot and absorb as much heat which causes the units to run on high all the time. This is not as important as you would think because of the following points.
- b. A Thermo King Refrigeration unit costs approximately \$20,000-\$25,000. The projected life is approximately 3-6 years with proper maintenance. If a trailer top, sides and bottom (heat from asphalt and concrete) is coated with Super Therm®, the absorption of heat is cut by up to 90%. Since the metal skin cannot absorb heat, then the heat transfer is reduced by the same percentage. At this pace, the Thermo King would be able to cycle and run more on medium speed. This is expected to extend the life of the unit by double or more. \$20,000 X units X trailers X every 3-6 years equates to a tremendous amount of money saved per replacement cycle plus maintenance.
- c. Operation managers are very keen on how much a trailer can haul to expand the business or move additional product on any given day to get more dollar volume using the same trailer. If the trailer is built with 4" of foam in each wall, the wall thickness could be reduced to only 1" of foam with the SUPER THERM on the exterior. Therefore, gaining interior space for additional product. With Super Therm® on the exterior, the metal cannot absorb the solar heat, and the need for foam thickness to slow transference is reduced. This gives the trailer 6" across the floor more capacity to haul product which is increased dollar production from each trailer every day.

Note: The manufacturer of Thermo King is not interested in knowing this nor promoting this since it would cut down on their units sold.