

This test was conducted on a 2001 Ford F250 Turbo Diesel.

Mileage:

Average mileage before coating: 16.73 mpg

Average mileage after coating: 18.1 mpg (pending more info)

Coating:

The exhaust side and back-side of the compressor of the turbocharger were coated with ceramic thermal barrier. In addition, the down pipes (direct intake air to and from the intercooler) and the multi directional cast aluminum manifold that all of the intake air lines connect to were coated with ceramic thermal barrier. This provides additional thermal protection of the intake air charge.

The front side, or cover plate, of the compressor was coated with thermal dispersant. This allows any heat energy that may have been transferred to the compressor from the exhaust side of the turbo to radiate out more efficiently than an uncoated cover plate.

Baseline mileage info:

Date	Temp.	Avg. speed	Miles driven	Fuel used	Mileage
12/25/05	33 F	64	203	12	16.9
12/31/05	38 F	64	99	5.8	17
2/15/06	35 F	64	78	4.8	16.3
				Overall avg.	16.73

Post coating mileage info:

04/29/06	60 F	65	105	5.8	18.1
05/20/06	50 F	63	293.1	15.74	18.3

Overall Average 18.2 MPG