

STEEL SHIELD TECHNOLOGIES LTD.



D60 Diesel Engine Fuel Saving Report



Contents

1.	The DDEC Report Introduction.....	3
2.	The Fuel Saving Analysis of Truck #1480.....	5
2.1.	The Fuel Cost Savings Analysis of Truck #1480.....	5
2.2.	DDE Reports - Trip Activity of Truck #1480	6
2.3.	Potential Fuel Cost Saving Analysis Graph of Truck #1480	8
3.	The Fuel Saving Analysis of Truck #1580.....	9
3.1.	The Fuel Cost Savings Analysis of Truck #1580.....	9
3.2.	DDE Reports - Trip Activity of Truck #1580	10
3.3.	Potential Fuel Cost Saving Analysis Graph of Truck #1580	12
4.	The Fuel Saving Analysis of Truck #1390.....	13
4.1.	The Fuel Cost Savings Analysis of Truck #1390.....	13
4.2.	DDE Reports - Trip Activity of Truck #1390	14
4.3.	Potential Fuel Cost Saving Analysis Graph of Truck #1390	16



1. The DDEC Report Introduction



The DDEC Report have two separate mileage calculations listed on them. The first, Fuel Economy is the miles per gallon on the entire trip. The Fuel Economy is based on the entire trip distance divided by the entire trip fuel usage.

The second, Driving Economy, is the miles per gallon based on driving time only. It only includes the time when the unit is seeing road speed, in other words while the truck is in drive. Driving Economy does not include any time spend idling or while the vehicle is parked.



2. The Fuel Saving Analysis of Truck #1480

2.1. The Fuel Cost Savings Analysis of Truck #1480



Lower Your Total Operating Fuel Cost Using Truck Shield Metal Treatment

Not Just Oil...It's Technology



Date: 3/17/2010 **Truck #** 1480

Name of Company: South Hills Movers Co.

Miles Per Year: _____

Actual Fuel Cost Per Gallon: _____

Truck Year: 2006

Truck Make: Freightliner

Truck Model: Columbia

Engine / Trans. / Diff. Specs.: Detroit 60 Series Fuller 10 Speed Eaton

Fuel Cost Savings Analysis

Based on: 45 trucks, doing over the road hauls @

Annual Mileage: 2,025,000

Fuel Cost (per U.S. gallon): \$2.95

45,000 miles per truck per year

MPG

6.02 MPG with Truck Shield

6.46 Actual Fuel Cost Savings

Potential MPG with Truck Shield Metal Treatment added to the engine, transmission and 2 differentials												
Current	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5		
4.5	\$132,750.00	\$241,363.64	\$331,875.00	\$408,461.54	\$474,107.14	\$531,000.00	\$580,781.25	\$624,705.88	\$663,750.00	\$698,684.21		
5.0	---	\$108,613.64	\$199,125.00	\$275,711.54	\$341,357.14	\$398,250.00	\$448,031.25	\$491,955.88	\$531,000.00	\$565,934.21		
5.5	---	---	\$90,511.36	\$167,097.90	\$232,743.51	\$289,636.36	\$339,417.61	\$383,342.25	\$422,386.36	\$457,320.57		
6.0	---	---	---	\$76,586.54	\$142,232.14	\$199,125.00	\$248,906.25	\$292,830.88	\$331,875.00	\$366,809.21		
6.5	---	---	---	---	\$65,645.60	\$122,538.46	\$172,319.71	\$216,244.34	\$255,288.46	\$290,222.67		
7.0	---	---	---	---	---	\$56,892.86	\$106,674.11	\$150,598.74	\$189,642.86	\$224,577.07		
7.5	---	---	---	---	---	---	\$49,781.25	\$93,705.88	\$132,750.00	\$167,684.21		
8.0	---	---	---	---	---	---	---	\$43,924.63	\$82,968.75	\$117,902.96		
8.5	---	---	---	---	---	---	---	---	\$39,044.12	\$73,978.33		
9.0	---	---	---	---	---	---	---	---	---	\$34,934.21		
9.5	---	---	---	---	---	---	---	---	---	---		
10.0	---	---	---	---	---	---	---	---	---	---		
10.5	---	---	---	---	---	---	---	---	---	---		

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2.2. DDE Reports - Trip Activity of Truck #1480

DDEC Reports - Trip Activity

Print Date: Mar 17, 2010 08:31 AM (EST)

South Hills Movers
5354 Enterprise Rd
Bethel Park, PA 15025-
(412) 835-8376

Trip: 05/15/09 10:04 AM (EST) to 03/17/2010
Vehicle ID: 1480
Driver ID:
Odometer: 246827.2 mi

Trip Distance	56839.8 mi	Trip Time	1142:09:17
Trip Fuel	8795.88 gal	Fuel Consumption	7.70 gal/h
Fuel Economy	6.46 mpg	Idle Time	163:38:31
Avg Drive Load	47 %	Idle Percent	14.33 %
Avg Vehicle Speed	58.1 mph	Idle Fuel	149.13 gal

Driving Time	978:30:46	VSG(PTO) Total Time	76:07:07
Driving Percent	85.67 %	VSG(PTO) Percent	6.66 %
Driving Fuel	8646.75 gal	VSG(PTO) Total Fuel	76.38 gal
Driving Economy	6.57 mpg		

Vehicle Speed Limiting		Stop Idle Time	102:10:40
Time	0:31:02	Stop Idle Percent	8.95 %
Percent	0.05 %	Stop Idle Fuel	98.50 gal
Distance	41.1 mi		
Fuel	6.63 gal	Over Rev Limit	1800 rpm
		Count	9097
		Time	9:39:17
		Percent	0.85 %

Top Gear		Highest RPM	2293 rpm
Time	774:27:21	Occurred	09/26/09 11:36:21 (EST)
Percent	79.15 %		
Distance	51173.4 mi	Diag. Records	3
Fuel	7381.00 gal	Hard Brake Count	50
Time	64:23:14	Brake Count	23425
		Eng. Brake Time	17:12:33

Top Gear - 1	
Percent	6.58 %
Distance	3125.6 mi
Fuel	600.00 gal

Cruise	
Time	132:56:08
Percent	13.59 %
Distance	9097.6 mi
Fuel	1387.38 gal

Top Gear Cruise	
Time	132:27:02
Percent	13.54 %
Distance	9069.0 mi
Fuel	1381.13 gal

Speeding A(>=66 mph and <71 mph)	
Count	20176
Time	282:10:51
Percent	28.84 %

Speeding B(>=71 mph)	
Count	14474
Time	137:01:35
Percent	14.00 %

Highest Speed	83.0 mph
Occurred	12/04/09 18:30:50 (EST)

Coasting Time	0:01:02
Coasting Percent	0.00 %

DPF Regeneration	
Parked Regen Count	0
Driving Regen Count	0

Optimized Idle Time	
Active	0:00:00
Run	0:00:00
Battery	0:00:00
Engine Temp.	0:00:00
Thermostat	0:00:00
Extended Idle	0:00:00
Continuous	0:00:00
Optimized Idle Battery Charging Starts	
Normal Count	0
Alternate Count	0
Continuous Run	0

Fan On Time	
Total Time	89:37:12
Engine System	3:39:25
Manual	19:21:04
A/C	66:36:43

Pump On Time	
Time	0:00:00
Distance	0.0 mi
Fuel	0.00 gal

Engine Utilization	15.56 %
Vehicle Utilization	13.33 %

After
Truck Shield was added to the
engine, transmission and two
differentials on 5/15/2009

DDEC® Reports - Trip Activity

Print Date: Mar 17, 2010 08:34 AM (EST)

South Hills Movers
5354 Enterprise Rd
Bethel Park, PA 15025-
(412) 835-8376

Trip: 07/24/06 08:00 AM (EST) to 05/15/2009
Vehicle ID: 1480
Driver ID:
Odometer: 189987.4 mi

Trip Distance	189987.4 mi	Trip Time	3935:24:41
Trip Fuel	31534.00 gal	Fuel Consumption	8.01 gal/h
Fuel Economy	6.02 mpg	Idle Time	723:18:22
Avg Drive Load	49 %	Idle Percent	18.38 %
Avg Vehicle Speed	59.1 mph	Idle Fuel	665.00 gal

Driving Time	3212:06:19	VSG(PTO) Total Time	489:38:29
Driving Percent	81.62 %	VSG(PTO) Percent	12.44 %
Driving Fuel	30869.00 gal	VSG(PTO) Total Fuel	463.13 gal
Driving Economy	6.15 mpg		

Vehicle Speed Limiting		Stop Idle Time	556:30:51
Time	22:39:29	Stop Idle Percent	14.14 %
Percent	0.71 %	Stop Idle Fuel	525.38 gal
Distance	1812.6 mi		
Fuel	279.75 gal	Over Rev Limit	1800 rpm

Top Gear		Count	38697
Time	2518:46:43	Time	51:29:27
Percent	78.42 %	Percent	1.31 %
Distance	169004.3 mi	Highest RPM	2572 rpm
Fuel	26038.13 gal	Occurred	09/17/07 07:32:48 (EST)
Time	256:14:21		

Top Gear - 1		Diag. Records	172
Percent	7.98 %	Hard Brake Count	193
Distance	12795.0 mi	Brake Count	83735
Fuel	2590.25 gal	Eng. Brake Time	50:12:36

Cruise		Optimized Idle Time	
Time	254:16:08	Active	0:00:00
Percent	7.92 %	Run	0:00:00
Distance	17682.8 mi	Battery	0:00:00
Fuel	2863.88 gal	Engine Temp.	0:00:00
		Thermostat	0:00:00
		Extended Idle	0:00:00

Top Gear Cruise		Continuous	0:00:00
Time	249:12:39	Optimized Idle Battery Charging Starts	
Percent	7.76 %	Normal Count	0
Distance	17399.0 mi	Alternate Count	0
Fuel	2818.50 gal	Continuous Run	0

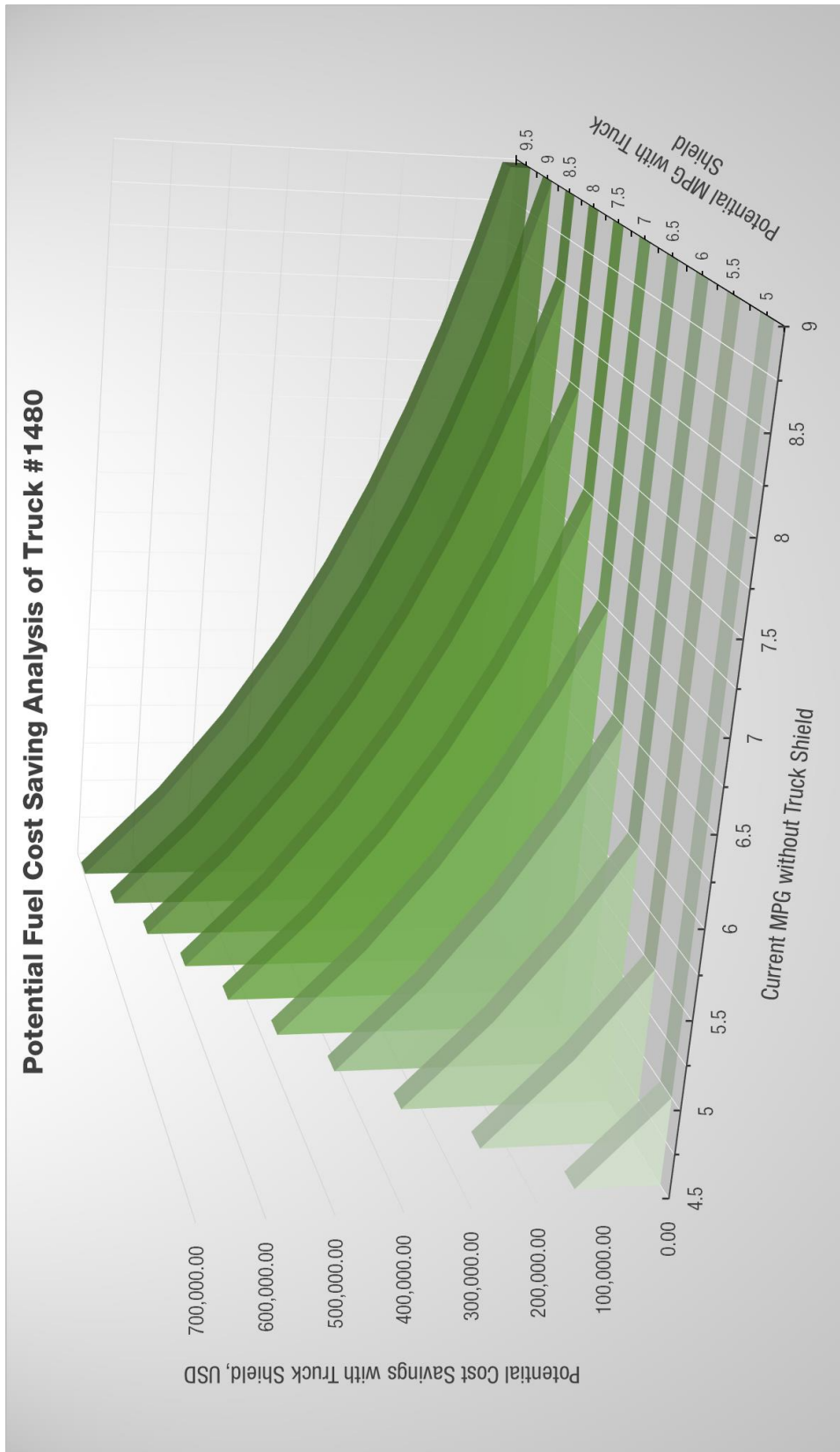
Speeding A(>=66 mph and <71 mph)		Fan On Time	
Count	59783	Total Time	263:52:29
Time	711:54:49	Engine System	20:49:16
Percent	22.16 %	Manual	51:39:22
Speeding B(>=71 mph)		A/C	191:23:51
Count	55937		
Time	742:26:29	Pump On Time	
Percent	23.11 %	Time	0:00:00

Highest Speed	88.5 mph	Distance	0.0 mi
Occurred	02/06/07 13:45:26 (EST)	Fuel	0.00 gal
Coasting Time	0:06:24	Engine Utilization	15.98 %
Coasting Percent	0.00 %	Vehicle Utilization	13.04 %

DPF Regeneration
Parked Regen Count 0
Driving Regen Count 0

Before
Truck Shield was added to the
engine, transmission and two
differentials on 5/15/2009

2.3. Potential Fuel Cost Saving Analysis Graph of Truck #1480



3. The Fuel Saving Analysis of Truck #1580

3.1. The Fuel Cost Savings Analysis of Truck #1580



Lower Your Total Operating Fuel Cost Using Truck Shield Metal Treatment

Not Just Oil...It's Technology



Date: 5/6/2010

Name of Company: South Hills Movers Co

Miles Per Year: Truck #1580

Actual Fuel Cost Per Gallon:

Truck Year: 2004

Truck Make: Freightliner

Truck Model: Columbia

Engine / Trans. / Diff. Specs.: Detroit 60 Series Fuller Super 10 Eaton

Fuel Cost Savings Analysis

Based on: 45 trucks, doing over the road hauls @

Annual Mileage: 2,025,000

Fuel Cost (per U.S. gallon): \$3.00

45,000 miles per truck per year

6.02 MPG

6.82 MPG with Truck Shield

\$118,373.75 Actual Fuel Cost Savings

Potential MPG with Truck Shield Metal Treatment added to the engine, transmission and 2 differentials											
Current	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	
4.5	\$135,000.00	\$245,454.55	\$337,500.00	\$415,384.62	\$482,142.86	\$540,000.00	\$590,625.00	\$635,294.12	\$675,000.00	\$710,526.32	
5.0	---	\$110,454.55	\$202,500.00	\$280,384.62	\$347,142.86	\$405,000.00	\$455,625.00	\$500,294.12	\$540,000.00	\$575,526.32	
5.5	---	---	\$92,045.45	\$169,930.07	\$236,688.31	\$294,545.45	\$345,170.45	\$389,839.57	\$429,545.45	\$465,071.77	
6.0	---	---	---	\$77,884.62	\$144,642.86	\$202,500.00	\$253,125.00	\$297,794.12	\$337,500.00	\$373,026.32	
6.5	---	---	---	---	\$66,758.24	\$124,615.38	\$175,240.38	\$219,909.50	\$259,615.38	\$295,141.70	
7.0	---	---	---	---	---	\$57,857.14	\$108,482.14	\$153,151.26	\$192,857.14	\$228,383.46	
7.5	---	---	---	---	---	---	\$50,625.00	\$95,294.12	\$135,000.00	\$170,526.32	
8.0	---	---	---	---	---	---	---	\$44,669.12	\$84,375.00	\$119,901.32	
8.5	---	---	---	---	---	---	---	---	\$39,705.88	\$75,232.20	
9.0	---	---	---	---	---	---	---	---	---	\$35,526.32	
9.5	---	---	---	---	---	---	---	---	---	---	
10.0	---	---	---	---	---	---	---	---	---	---	
10.5	---	---	---	---	---	---	---	---	---	---	

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3.2. DDE Reports - Trip Activity of Truck #1580

DDEC® Reports - Trip Activity

Print Date: Mar 19, 2010 07:57 AM (EST)

South Hills Movers
5354 Enterprise Rd
Bethel Park, PA 15025-
(412) 835-8376

Trip: 04/02/09 08:10 AM (EST) to 11/11/2005
Vehicle ID: 1580
Driver ID:
Odometer: 73680.3 mi

Trip Distance	36840.8 mi	Trip Time	758:53:38
Trip Fuel	5403.88 gal	Fuel Consumption	7.12 gal/h
Fuel Economy	6.82 mpg	Idle Time	84:01:29
Avg Drive Load	42 %	Idle Percent	11.07 %
Avg Vehicle Speed	54.6 mph	Idle Fuel	45.25 gal
		Parked Regen Time	0:28:00

Driving Time	674:24:09	VSG(PTO) Total Time	5:31:55
Driving Percent	88.87 %	VSG(PTO) Percent	0.73 %
Driving Fuel	5225.79 gal	VSG(PTO) Total Fuel	4.13 gal
Driving Economy	7.05 mpg	VSG(PTO) Working Time	5:09:14
		VSG(PTO) Working Fuel	3.88 gal

Vehicle Speed Limiting		Stop Idle Time	38:37:21
Time	0:00:02	Stop Idle Percent	5.09 %
Percent	0.00 %	Stop Idle Fuel	23.38 gal
Distance	0.1 mi		
Fuel	0.00 gal	Over Rev Limit	1800 rpm

Top Gear		Count	77
Time	529:13:06	Time	0:29:07
Percent	78.47 %	Percent	0.06 %
Distance	33319.1 mi		
Fuel	4394.75 gal	Highest RPM	2249 rpm
Time	31:58:26	Occurred	05/14/09 13:58:28 (EST)

Top Gear - 1		Diag. Records	30
Percent	4.74 %	Hard Brake Count	26
Distance	1381.7 mi	Firm Brake Count	222
Fuel	282.25 gal	Brake Count	8930
		Eng. Brake Time	54:35:46

Cruise		Optimized Idle Time	
Time	72:48:27	Active	0:00:00
Percent	10.80 %	Run	0:00:00
Distance	4716.7 mi	Battery	0:00:00
Fuel	680.63 gal	Engine Temp.	0:00:00

Top Gear Cruise		Thermostat	0:00:00
Time	72:42:24	Extended Idle	0:00:00
Percent	10.78 %		
Distance	4711.0 mi	Continuous	0:00:00
Fuel	678.50 gal		

Speeding A(>=66 mph and <71 mph)		Optimized Idle Battery Charging Starts	
Count	12540	Normal Count	0
Time	143:41:21	Alternate Count	0
Percent	21.31 %	Continuous Run	0

Speeding B(>=71 mph)		Fan On Time	
Count	2208	Total Time	23:03:01
Time	12:21:20	Engine System	4:37:05
Percent	1.83 %	Manual	0:00:14
		A/C	17:57:44
		DPF Fan Time	0:27:58

Highest Speed	81.0 mph
Occurred	04/28/09 06:10:46 (EST)

Coasting Time	0:00:00	Pump On Time	
Coasting Percent	0.00 %	Time	0:00:00
		Distance	0.0 mi
		Fuel	0.00 gal

DPF Regeneration		Engine Utilization	14.16 %
Parked Completed	2	Vehicle Utilization	12.58 %
Driving Completed	106		
Parked Regen Fuel	1.26 gal		
Driving Regen Fuel	131.57 gal		

After
Truck Shield was added to the engine,
transmission and two differentials on
04/02/2009

111191AA.XTR Engine S/N: 06R0998481 ECM S/W Version: 4.000 Version 6.42 Page 1

DDEC® Reports - Trip Activity

Print Date: Mar 19, 2010 08:00 AM (EST)

South Hills Movers
5354 Enterprise Rd
Bethel Park, PA 15025-
(412) 835-8376

Trip: 04/07/08 01:30 PM (EST) to 04/02/2009
Vehicle ID: 1580
Driver ID:
Odometer: 36839.5 mi

Trip Distance 36417.4 mi
Trip Fuel 6052.88 gal
Fuel Economy 6.02 mpg
Avg Drive Load 43 %
Avg Vehicle Speed 53.1 mph

Trip Time 934:46:38
Fuel Consumption 6.48 gal/h
Idle Time 248:37:54
Idle Percent 26.60 %
Idle Fuel 181.13 gal
Parked Regen Time 0:38:33

Driving Time 685:30:11
Driving Percent 73.33 %
Driving Fuel 5676.46 gal
Driving Economy 6.42 mpg

VSG(PTO) Total Time 128:23:49
VSG(PTO) Percent 13.74 %
VSG(PTO) Total Fuel 118.38 gal
VSG(PTO) Working Time 126:04:53
VSG(PTO) Working Fuel 116.75 gal

Vehicle Speed Limiting
Time 0:07:13
Percent 0.02 %
Distance 9.4 mi
Fuel 0.63 gal

Stop Idle Time 184:18:12
Stop Idle Percent 19.72 %
Stop Idle Fuel 145.00 gal

Top Gear
Time 491:07:33
Percent 71.64 %
Distance 31364.6 mi
Fuel 4420.50 gal
Time 47:18:42

Over Rev Limit 1800 rpm
Count 1470
Time 6:50:26
Percent 0.73 %

Top Gear - 1
Percent 6.90 %
Distance 2157.4 mi
Fuel 378.38 gal

Highest RPM 2520 rpm
Occurred 12/23/08 14:58:39 (EST)

Diag. Records 174
Hard Brake Count 3
Firm Brake Count 533
Brake Count 11648
Eng. Brake Time 55:19:46

Cruise
Time 224:50:09
Percent 32.80 %
Distance 14802.0 mi
Fuel 2164.13 gal

Optimized Idle Time
Active 0:00:00
Run 0:00:00
Battery 0:00:00
Engine Temp. 0:00:00
Thermostat 0:00:00
Extended Idle 0:00:00

Top Gear Cruise
Time 224:46:14
Percent 32.79 %
Distance 14797.9 mi
Fuel 2163.38 gal

Continuous 0:00:00

Speeding A(>=66 mph and <71 mph)
Count 9836
Time 170:39:14
Percent 24.89 %

Optimized Idle Battery Charging Starts
Normal Count 0
Alternate Count 0
Continuous Run 0

Speeding B(>=71 mph)
Count 3284
Time 60:19:10
Percent 8.80 %

Fan On Time
Total Time 102:54:55
Engine System 3:13:28
Manual 0:00:39
A/C 99:02:14
DPF Fan Time 0:38:34

Highest Speed 85.5 mph
Occurred 08/01/08 15:18:14 (EST)

Pump On Time
Time 0:00:00
Distance 0.0 mi
Fuel 0.00 gal

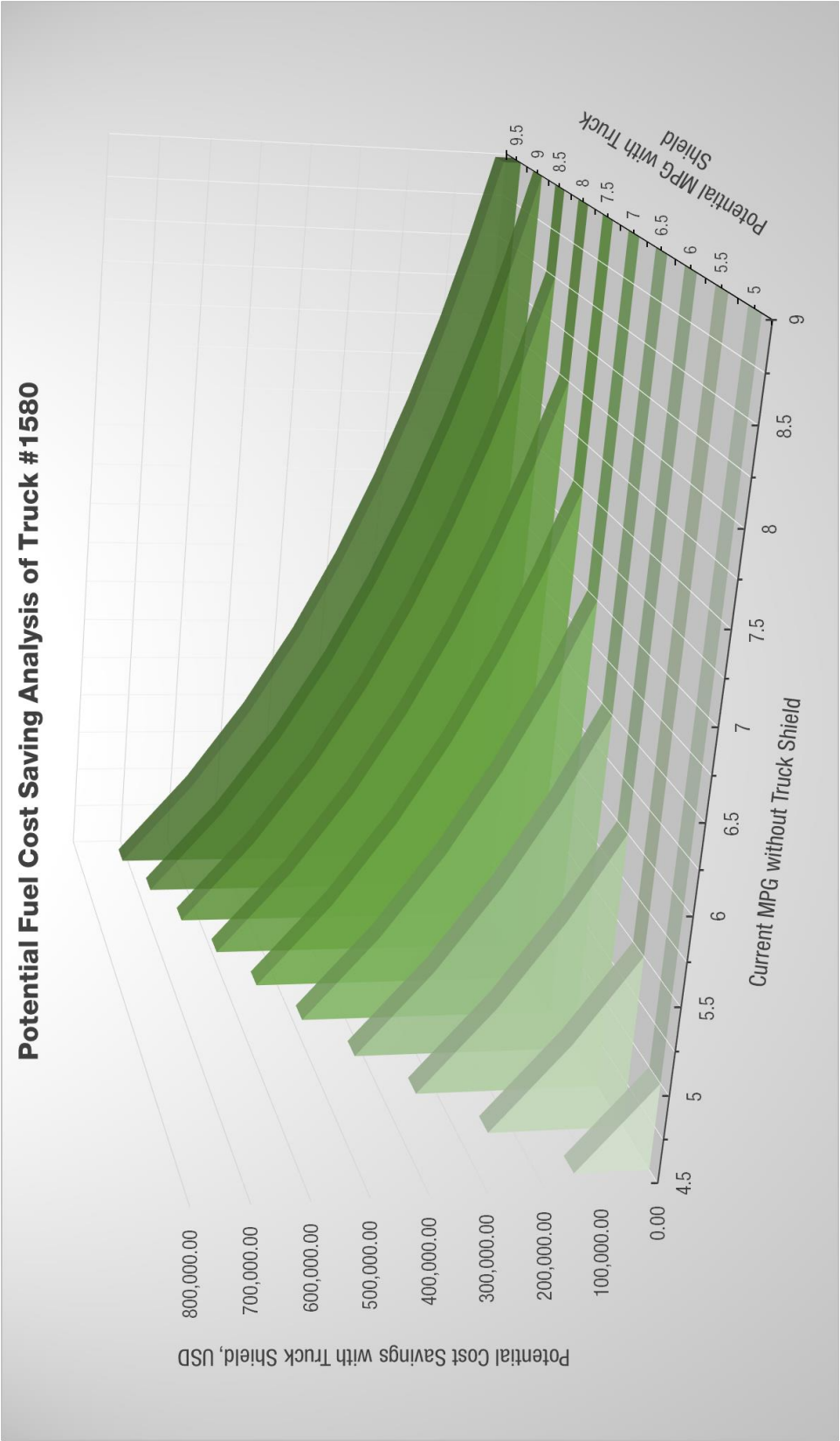
Coasting Time 0:00:00
Coasting Percent 0.00 %

DPF Regeneration
Parked Completed 1
Driving Completed 124
Parked Regen Fuel 1.46 gal
Driving Regen Fuel 193.83 gal

Engine Utilization 10.83 %
Vehicle Utilization 7.94 %

Before
Truck Shield was added to the engine,
transmission and two differentials on
04/02/2009

3.3. Potential Fuel Cost Saving Analysis Graph of Truck #1580



4. The Fuel Saving Analysis of Truck #1390

4.1. The Fuel Cost Savings Analysis of Truck #1390



Lower Your Total Operating Fuel Cost Using Truck Shield Metal Treatment

Not Just Oil...It's Technology



Date: 6/5/2009 **Truck #** 1390

Name of Company: South Hills Movers

Miles Per Year: _____

Actual Fuel Cost Per Gallon: _____

Truck Year: 2005

Truck Make: Freightliner

Truck Model: Columbia

Engine / Trans. / Diff. Specs.: Detroit 60 Series Fuller Super 10 Eaton

Fuel Cost Savings Analysis

Based on: 45 trucks, doing over the road hauls @

Annual Mileage: 2,025,000

Fuel Cost (per U.S. gallon): \$2.95

45,000 miles per truck per year

5.63 MPG

6.1 MPG with Truck Shield

\$81,753.56 Actual Fuel Cost Savings

Potential MPG with Truck Shield Metal Treatment added to the engine, transmission and 2 differentials											
Current	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	
4.5	\$132,750.00	\$241,363.64	\$331,875.00	\$408,461.54	\$474,107.14	\$531,000.00	\$580,781.25	\$624,705.88	\$663,750.00	\$698,684.21	
5.0	---	\$108,613.64	\$199,125.00	\$275,711.54	\$341,357.14	\$398,250.00	\$448,031.25	\$491,955.88	\$531,000.00	\$565,934.21	
5.5	---	---	\$90,511.36	\$167,097.90	\$232,743.51	\$289,636.36	\$339,417.61	\$383,342.25	\$422,386.36	\$457,320.57	
6.0	---	---	---	\$76,586.54	\$142,232.14	\$199,125.00	\$248,906.25	\$292,830.88	\$331,875.00	\$366,809.21	
6.5	---	---	---	---	\$65,645.60	\$122,538.46	\$172,319.71	\$216,244.34	\$255,288.46	\$290,222.67	
7.0	---	---	---	---	---	\$56,892.86	\$106,674.11	\$150,598.74	\$189,642.86	\$224,577.07	
7.5	---	---	---	---	---	---	\$49,781.25	\$93,705.88	\$132,750.00	\$167,684.21	
8.0	---	---	---	---	---	---	---	\$43,924.63	\$82,968.75	\$117,902.96	
8.5	---	---	---	---	---	---	---	---	\$39,044.12	\$73,978.33	
9.0	---	---	---	---	---	---	---	---	---	\$34,934.21	
9.5	---	---	---	---	---	---	---	---	---	---	
10.0	---	---	---	---	---	---	---	---	---	---	
10.5	---	---	---	---	---	---	---	---	---	---	

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4.2. DDE Reports - Trip Activity of Truck #1390

DDEC Reports - Trip Activity			
Print Date: Jun 05, 2009 10:43 AM (EST)			
South Hills Movers 5354 Enterprise Rd Bethel Park, PA 15025- (412) 835-8376		Trip: 03/12/09 10:26 AM (EST) to 06/05/200 Vehicle ID: 1390 Driver ID: Odometer: 186141.6 mi	
Trip Distance	7121.0 mi	Trip Time	146:52:37
Trip Fuel	1167.75 gal	Fuel Consumption	7.95 gal/h
Fuel Economy	6.10 mpg	Idle Time	15:07:48
Avg Drive Load	45 %	Idle Percent	10.30 %
Avg Vehicle Speed	54.1 mph	Idle Fuel	11.75 gal
Driving Time	131:44:49	VSG(PTO) Total Time	1:17:59
Driving Percent	89.70 %	VSG(PTO) Percent	0.88 %
Driving Fuel	1156.00 gal	VSG(PTO) Total Fuel	0.88 gal
Driving Economy	6.16 mpg	Stop Idle Time	5:25:23
Vehicle Speed Limiting		Stop Idle Percent	3.69 %
Time	0:00:10	Stop Idle Fuel	4.25 gal
Percent	0.00 %	Over Rev Limit	1800 rpm
Distance	0.2 mi	Count	953
Fuel	0.00 gal	Time	3:51:13
Top Gear		Percent	2.62 %
Time	91:38:01	Highest RPM	2189 rpm
Percent	69.55 %	Occurred	04/14/09 11:43:24 (EST)
Distance	5903.3 mi	Diag. Records	0
Fuel	922.50 gal	Hard Brake Count	1
Time	13:33:06	Brake Count	3034
Top Gear - 1		Eng. Brake Time	4:58:31
Percent	10.29 %	Optimized Idle Time	
Distance	706.5 mi	Active	0:00:00
Fuel	113.00 gal	Run	0:00:00
Cruise		Battery	0:00:00
Time	2:58:33	Engine Temp.	0:00:00
Percent	2.26 %	Thermostat	0:00:00
Distance	207.4 mi	Extended Idle	0:00:00
Fuel	35.00 gal	Continuous	0:00:00
Top Gear Cruise		Optimized Idle Battery Charging Starts	
Time	2:58:33	Normal Count	0
Percent	2.26 %	Alternate Count	0
Distance	207.4 mi	Continuous Run	0
Fuel	35.00 gal	Fan On Time	
Speeding A(>=66 mph and <71 mph)		Total Time	2:37:48
Count	2150	Engine System	0:09:49
Time	27:31:09	Manual	0:00:00
Percent	20.89 %	A/C	2:27:59
Speeding B(>=71 mph)		Pump On Time	
Count	1528	Time	0:00:00
Time	9:58:55	Distance	0.0 mi
Percent	7.58 %	Fuel	0.00 gal
Highest Speed	81.5 mph	Engine Utilization	7.20 %
Occurred	06/04/09 06:04:31 (EST)	Vehicle Utilization	6.46 %
Coasting Time	0:00:00		
Coasting Percent	0.00 %		
DPF Regeneration			
Parked Regen Count	0		
Driving Regen Count	0		

(After) Truck Shield was added to the engine, transmission and two differentials on 3/12/09

DDEC Reports - Trip Activity

Print Date: Jun 05, 2009 10:48 AM (EST)

South Hills Movers
5354 Enterprise Rd
Bethel Park, PA 15025-
(412) 835-8376

Trip: 09/11/08 02:07 PM (EST) to 03/12/2009
Vehicle ID: 1390
Driver ID:
Odometer: 179020.5 mi

Trip Distance 15985.0 mi
Trip Fuel 2837.50 gal
Fuel Economy **5.63 mpg**
Avg Drive Load 44 %
Avg Vehicle Speed 51.2 mph

Trip Time 423:08:28
Fuel Consumption 6.71 gal/h
Idle Time 110:38:39
Idle Percent 26.15 %
Idle Fuel 124.38 gal

Driving Time 312:29:49
Driving Percent 73.85 %
Driving Fuel 2713.13 gal
Driving Economy 5.89 mpg

VSG(PTO) Total Time 67:22:01
VSG(PTO) Percent 15.92 %
VSG(PTO) Total Fuel 90.50 gal

Vehicle Speed Limiting
Time 0:00:00
Percent 0.00 %
Distance 0.0 mi
Fuel 0.00 gal

Stop Idle Time 85:21:52
Stop Idle Percent 20.17 %
Stop Idle Fuel 105.13 gal

Top Gear
Time 219:02:52
Percent 70.10 %
Distance 13710.2 mi
Fuel 2154.88 gal
Time 21:30:04

Over Rev Limit 1800 rpm
Count 1499
Time 0:34:30
Percent 0.14 %

Top Gear - 1
Percent 6.88 %
Distance 910.6 mi
Fuel 193.63 gal

Highest RPM 2170 rpm
Occurred 01/05/09 12:17:11 (EST)

Cruise
Time 10:41:45
Percent 3.42 %
Distance 675.9 mi
Fuel 107.75 gal

Diag. Records 1
Hard Brake Count 4
Brake Count 7235
Eng. Brake Time 23:02:32

Top Gear Cruise
Time 10:37:26
Percent 3.40 %
Distance 674.2 mi
Fuel 106.25 gal

Optimized Idle Time
Active 0:00:00
Run 0:00:00
Battery 0:00:00
Engine Temp. 0:00:00
Thermostat 0:00:00
Extended Idle 0:00:00
Continuous 0:00:00

Speeding A(>=66 mph and <71 mph)
Count 5693
Time 46:59:34
Percent 15.04 %

Optimized Idle Battery Charging Starts
Normal Count 0
Alternate Count 0
Continuous Run 0

Speeding B(>=71 mph)
Count 1375
Time 6:41:03
Percent 2.14 %

Fan On Time
Total Time 1:23:29
Engine System 0:55:02
Manual 0:00:00
A/C 0:28:27

Highest Speed 80.0 mph
Occurred 11/10/08 13:48:04 (EST)

Pump On Time
Time 0:00:00
Distance 0.0 mi
Fuel 0.00 gal

Coasting Time 0:00:00
Coasting Percent 0.00 %

Engine Utilization 9.70 %
Vehicle Utilization 7.16 %

DPF Regeneration
Parked Regen Count 0
Driving Regen Count 0

(Before) Truck Shield was added to the engine, transmission and two differentials on 3/12/09

4.3. Potential Fuel Cost Saving Analysis Graph of Truck #1390

