Emissions : Cashman Equipment Company

Cashman Equipment Company

Printed on: 2/21/02 1:32:25 PM

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Owner MARTIN MARIETTA,
SPARKS, NV

Contact: BOB WIGGENS
Phone: 4254455

Test Device

Vehicle		Engine		Transmission		Driveline	
Make	MACK	**Make**	MACK	**Make**		**Ratio**	
Model	E7	**Model**	E7	**Model**		**Axles**	
Year	1995	**Type**	454 ATAAC	**Type**		**Tire Type**	
Weight		**Serial No**	470713			**Tire Size**	
Mileage	231059	**Perf. Spec.**	450HP			**Tire Tread**	
VIN	SW048221						
ID No	1016						

Test Information - TEST 1

51.9 GE VIBRATION

Repair Order	RT04390	**Date**	2/21/02	**Time**	13:24
Dyno Location	SPARKS	**Test Serial No**	162	**System ID**	
Test Description	BASE LINE TEST	**Cfa Filename**	SF602	**Test Type**	AUTO LUG
Test Filename		**Dyno Operator**	TODD D		
Data Filename	C:\windyn\sf602\data\TEST0660				

Comments

BASE LINE TEST

Data-Basic Horsepower Test

VehSpd mph	VehPwr Hp	C VPwr Hp	VehTrq lb-ft	Fuel V gph	Man P inHg	Man T degF	InletP inH20	EngSpd rpm
62.9	5	5	47	5.0	6.6	75	-0.7	2076
33.0	251	261	4285	17.3	30.9	88	-0.8	1131
39.9	345	369	4862	20.6	49.8	104	-1.7	1407
45.6	357	379	4400	22.2	55.1	114	-2.2	1600
52.3	372	388	3998	23.1	54.2	116	-2.6	1801
60.1	168	170	1577	12.1	24.1	98	-1.4	1999

Test Information - TEST 2

36.6 GE VIBRATION

Repair Order	RT04390	**Date**	2/22/02	**Time**	13:32
Dyno Location	SPARKS	**Test Serial No**	164	**System ID**	
Test Description	TEST AFTER REPAIRS	**Cfa Filename**	SF602	**Test Type**	AUTO LUG
Test Filename		**Dyno Operator**	TODD D		
Data Filename	C:\windyn\sf602\data\TEST0662				

Comments

2ND TEST AFTER REPAIRS. **Fitted with FTA FMF3 – Fuel Filter FMO3 – Oil Filter**

Data-Basic Horsepower Test

VehSpd mph	VehPwr Hp	C VPwr Hp	VehTrq lb-ft	Fuel V gph	Man P inHg	Man T degF	InletP inH20	EngSpd rpm
62.9	4	4	34	4.5	4.4	98	-0.5	2075
34.3	268	278	4393	16.7	32.0	103	-0.6	1173
40.7	332	347	4589	19.5	45.9	117	-1.4	1403
46.3	348	363	4228	21.3	52.3	128	-2.0	1592
52.6	351	363	3755	22.2	52.0	129	-2.3	1793
60.1	161	162	1506	11.8	22.5	111	-1.1	2000

Note: Vibration was reduced from 51.9 to 36.6 GE, a reduction of 29.5%.
Fuel economy improved 4.8% overall.