



15500 Erwin Street, Suite 1029
Van Nuys, CA 91411

818.908.5388
818.908.5323 Fax

www.ketteng.com

2007 Dodge Caravan Fuel Doctor Test Summary

Date 21-Jul-09
 Site/Location Kett Engineering / Paramount, California
 Vehicle Year 2007
 Make Dodge
 Model Caravan
 Engine 3.3 liter V6 Automatic
 Test Purpose Fuel Consumption study
 Test Route Type Highway
 Total test miles 802 miles
 Total test trips 4
 Highest test trip MPG 28.1 MPG

Vehicle	Test #	Date	Start Odo	End Odo	Miles	AVG MPG	Gallons	Fuel Type	Old EPA mpg	New EPA mpg	Fuel Doctor Device Installed?	
											YES	NO
07 Dodge Caravan	DC-01	6/4/2009	43,790	43,940	150	23.8	13.893	Unocal 87	19/26	17/24		X
07 Dodge Caravan	DC-01	6/4/2009	43,940	44,040	150	23.8	12.619	Unocal 87	19/26	17/24	X	
07 Dodge Caravan	DC-01	6/5/2009	44,091	44,390	299	25.2	11.862	Unocal 87	19/26	17/24	X	
07 Dodge Caravan	DC-02	6/19/2009	44,449	44,651	203	28.1	7.222	Unocal 87	19/26	17/24	X	

Manager Account Services
Kett Engineering Corporation

Durability Driver Log

Driver Number & Name: 2345 Test#: M B 0 1
 Site: (1) 2 3 4 Date: 05 - 27 - 09
 Shift: (1) 2 3
 Start Time: 11:30 Ending Odo: 53,226
 End Time: 03:30 Starting Odo: 53,013
 Route Code: NA Shift Miles: 213
 Ambient@ Start: 68 %RH @ Start: NA Weather Condition (choose worst one):
 Ambient@ End: 78 %RH @ End: NA Clear / Cloudy / Rain / Snow

1. Driver Inspections - (O=OK X=problem /=NA)

NO Cycling Performed?

NOTE: **DO NOT** add fluids or attempt any repair without AVO. ALL "X" Items to be reported to Supervisor before driving

Underhood	Comment	Safety	Other
<input type="checkbox"/> Oil Level	_____	<input type="checkbox"/> Headlights	<input checked="" type="checkbox"/> Vehicle Book
<input type="checkbox"/> Brake Level	_____	<input type="checkbox"/> Tail&Brake lights	<input type="checkbox"/> Fuel Card
<input type="checkbox"/> Trans Level	_____	<input type="checkbox"/> Turn/Hazard	<input checked="" type="checkbox"/> Pager
<input type="checkbox"/> Pwr Steering Level	_____	<input type="checkbox"/> Wiper Cond.	<input checked="" type="checkbox"/> Cell Phone
<input type="checkbox"/> Wind Washer Level	_____	<input type="checkbox"/> Tire Cond.	<input type="checkbox"/> Body Damage
<input type="checkbox"/> Coolant Level	_____	<input checked="" type="checkbox"/> Fire Ext.	<input type="checkbox"/> Interior Damage
<input type="checkbox"/> Hoses	_____	<input checked="" type="checkbox"/> Flashlight	<input type="checkbox"/> Interior Soiled
<input type="checkbox"/> Belts	_____	<input type="checkbox"/> Spare Tire&Tools	
<input type="checkbox"/> Battery	_____	<input checked="" type="checkbox"/> Accident Forms	

Ballast Condition: Driver + 000 lbs

Tire Pressure (psi)	
Before	After
24	28
24	28
30	33
30	33

Inspection Comments: VEHICLE DRIVEN w/o AC, WINDOWS ROLLED UP & PASSENGER (DROVE HIGHWAY ROUTE @ 65 MPH CONSISTANTLY NEVER DRIVING OVER 70 MPH.)

2. Fueling Information

Instructions: 1. Record fuel level BEFORE filling tank. 2. Write your Name, Test#, and Project Number on your receipt and attach to your timecard. 3. Reset trip odometer AFTER you have recorded it.

Gauge Reading	E	1/8	1/4	3/8	(1/2)	5/8	3/4	7/8	F	E	1/8	1/4	3/8	1/2	5/8	(3/4)	7/8	F
Odometer	5	3	0	1	3					5	3	2	2	6				
Trip Odometer																		
Gallons	1	0	7							6	7							
Amount (\$)	2	9	1	5						1	8	1	9					
Brand	UNOCAL 76 (89)									UNOCAL 76 (89)								

3. Problems/Comments

Did you complete any Incident Reports?
 How many?

Additional Comment: AVG MPG FOR TRIP = 31.6 MPG. Checked By: _____

33.7 mpg 72m
 34.1 mpg 100m

KETT ENGINEERING QUALITY MANAGEMENT WORK INSTRUCTION

Instructions: Complete this form when receiving and releasing Test Vehicles owned by the customer.

KETT ENGINEERING CORPORATION

VEHICLE CHECK-IN/OUT FORM

CUSTOMER FUEL DOCTOR
 OWNER: _____
 VEHICLE MAKE MERCEDES
 MODEL E 350
 COLOR SILVER
 VIN _____

DATE RECEIVED 5/27/09 PWO # _____
 ODOMETER: 53013 VEH. # M801
 PLATE _____ Expires: Aug 2009
 DELIVERY METHOD: Truck Driven Picked Up _____ Other: _____
 CARRIER/Driver: N/A
 Received By: _____ Date: 5/27/09

Condition Received:

Condition - Put an "I" for incoming condition and "O" for outgoing condition

		New	V. Good	Good	Poor	Damaged	Comments
Exterior	Paint		X				SCRATCHES LEFT REAR DOOR & LEFT CORTEN PANEL REAR BUMPER SCUFFS, RT FRONT FENDER MILEX, RT BUMPER SCUFFS ON RT & LEFT BOTTOM OUT, MIDDLE TRAPER DENT
	Windows		X				
	Trim		X				
	Lights		X				
	Tires				X		
	Wheels			X		RT FRONT RT REAR	
Mechanical	Antenna		X				
	Engine		X				
	Transmission						
	Fluids			X			BRAKE FLUID BIT LOW BETWEEN MIN & MAX MARK.
	Steering/Susp.		X				BRAKE LINING IS ABOUT 1/2 LIFE IN FRONTS, REAR ABOUT 70% SMALL ETC.
Interior - Front	Brakes			X			
	Seats		X				
	Door Trim						
	IP		X				
	Console		X				
	Radio		X				
Rear	Controls		X				
	Seats		X				
	Trim		X				
	Console		X				
Cargo	Controls		X				
	Trim		X				



15500 Erwin Street, Suite 1029
 Van Nuys, CA 91411

818.908.5388
 818.908.5323 Fax

www.ketteng.com

Kett Engineering Test Summary
 Fuel Doctor Testing Projects
 As of 5/13/09

Vehicle	Test #	Date	Route	Start Odo	End Odo	Miles	Traffic condition	AVG MPG	Gallons	Fuel Type	Old EPA mpg	New EPA mpg	Fuel Doctor Service installed?		Comments
													YES	NO	
07 MBZ E-350	MB-01	5/27/2009	HWY	53,013	53,226	213	Light-used Diamond lane at times	31.6	6.739	Unocal 89	19/26	17/24	X		