

FUEL DOCTOR FD-47

Test on 12-Dec'08

TESTING REPORT

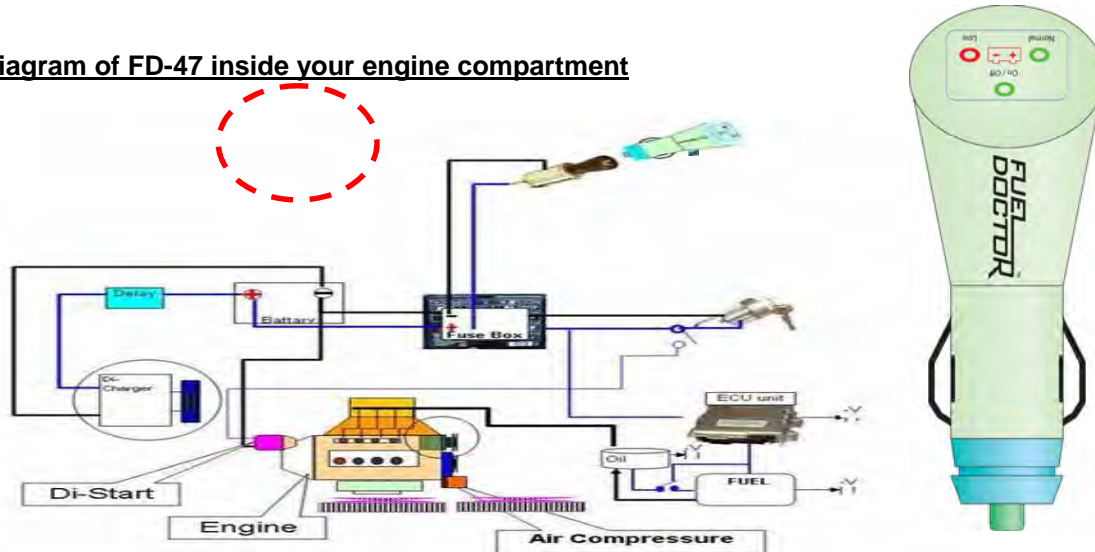
Test by : *Mr.Somsak Unjai*
Mr.Pairat Meesakul
Mr.Banchop

Definition

The FD-47 reduces noisy signals that have a detrimental impact on the functionality of the ECU preventing fuel consumption from reaching its optimal state.

Fuel Doctors Patent Pending FD-47 is a Fuel Consumption Regulator that stabilizes the voltages running through the Electronic Control Unit (brains to most functions of the engine).

Diagram of FD-47 inside your engine compartment



Test #1 Direct Current Voltage (DCV) and Magnetic Test

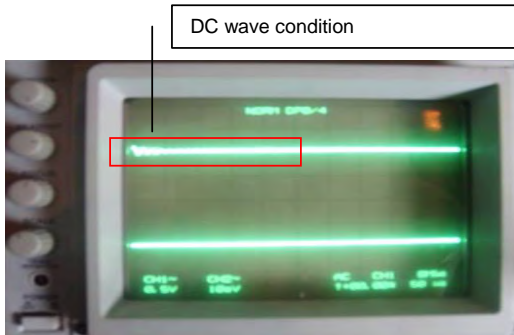
Test using Digital Oscilloscope



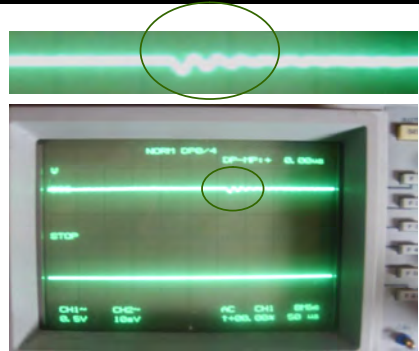
FD-47

FD-47 is ready to test current and noise

Step-1 Test Result (For comparison of Direct Current Voltage (DCV) and Noise.



No load on car.
Without FD-47



Test with Fan on
Without FD-47
"Have noise and current DC Drop 0.4-0.8 DCV"

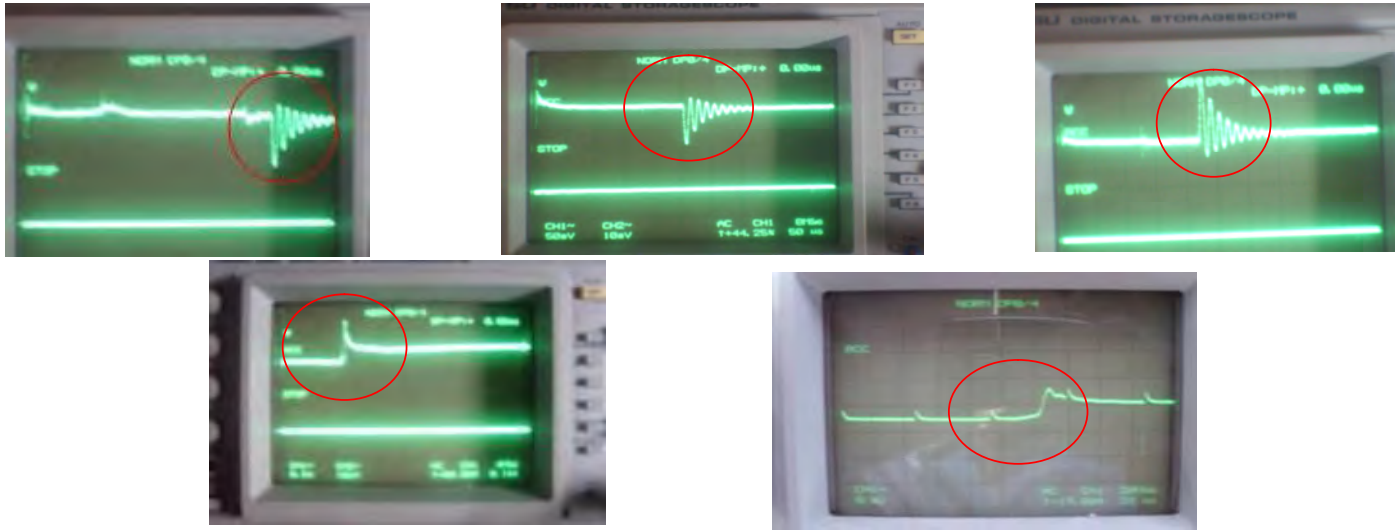


Test with fan on.
Insert FD-47
"Have less noise and current DCV Drop 0.2 DCV"

Current DCV drop when attaching FD-47 around 0.2 DCV impact to ECU operation.

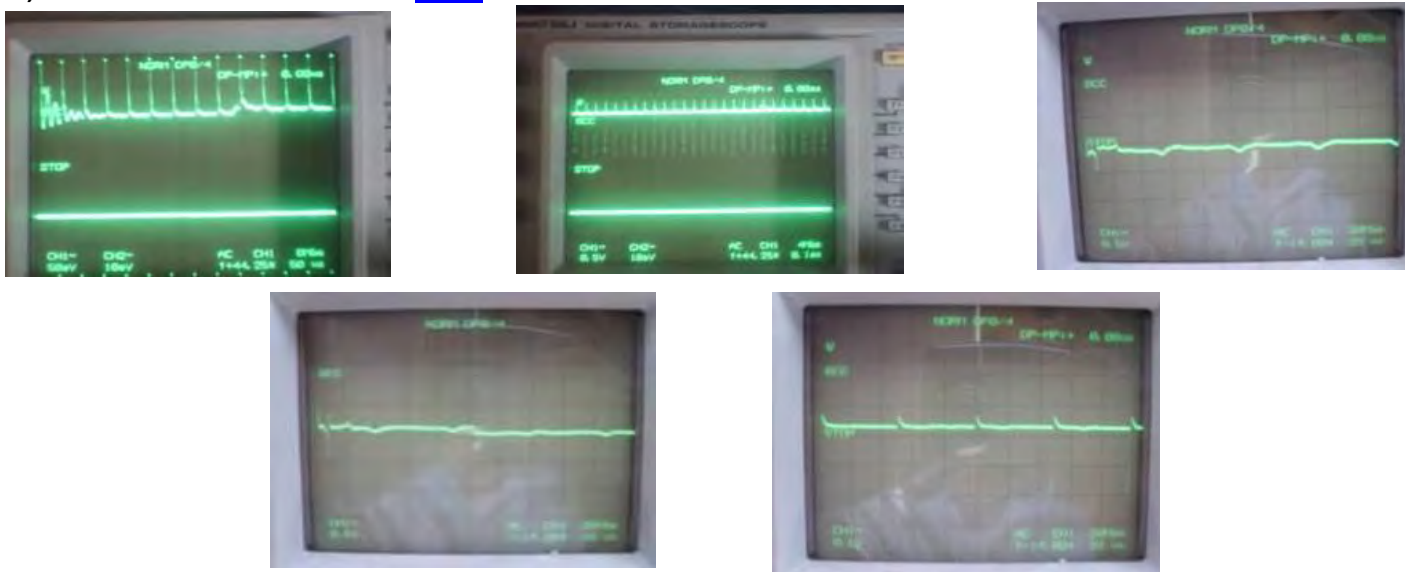
Step-2 Test Result For comparison of Direct Current Voltage(DCV)and Noise.

1) Wave shows current and noise Before insertion of FD-47



Display shows unstable wave effect under engine air compressure operation.

2) Wave shows current and noise After insertion of FD-47



Display shows stable current after inserting FD-47

Test Results





The FD-47 reduces the variance in electrical voltage sent to the Electronic Control Unit(ECU); and reduces the magnetic field from 25G (Gauss) to 12-16 G after insertion of the FD-47



Data comparison of FD-47

Before	After
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TEST #2 FUEL DOCTOR FD-47 Dynamometer Tests

Branch	Car Type	Model	Photo	Gasoline Type	Year	Before		After		Result	
						Kilomtrs.	K/M / Ltr.	Kilomtrs.	K/M / Ltr.	K/M / Ltr.	Up %
Toyota	4 x4 (truck)	2500 cc.		Diesel	2003	100	13	100	14.5	1.5	11.5%
Honda	Car	1600 cc		Octane 91	1996	100	12	100	14.5	2.5	20.8%
SUBARU	Legacy GT	2500 cc.		LPG	1996	130	6	130	7.9	1.9	31.7%
HONDA	CITY	1500 cc.		Octane 91	2000	100	15.5	100	18.67	3.17	20.5%

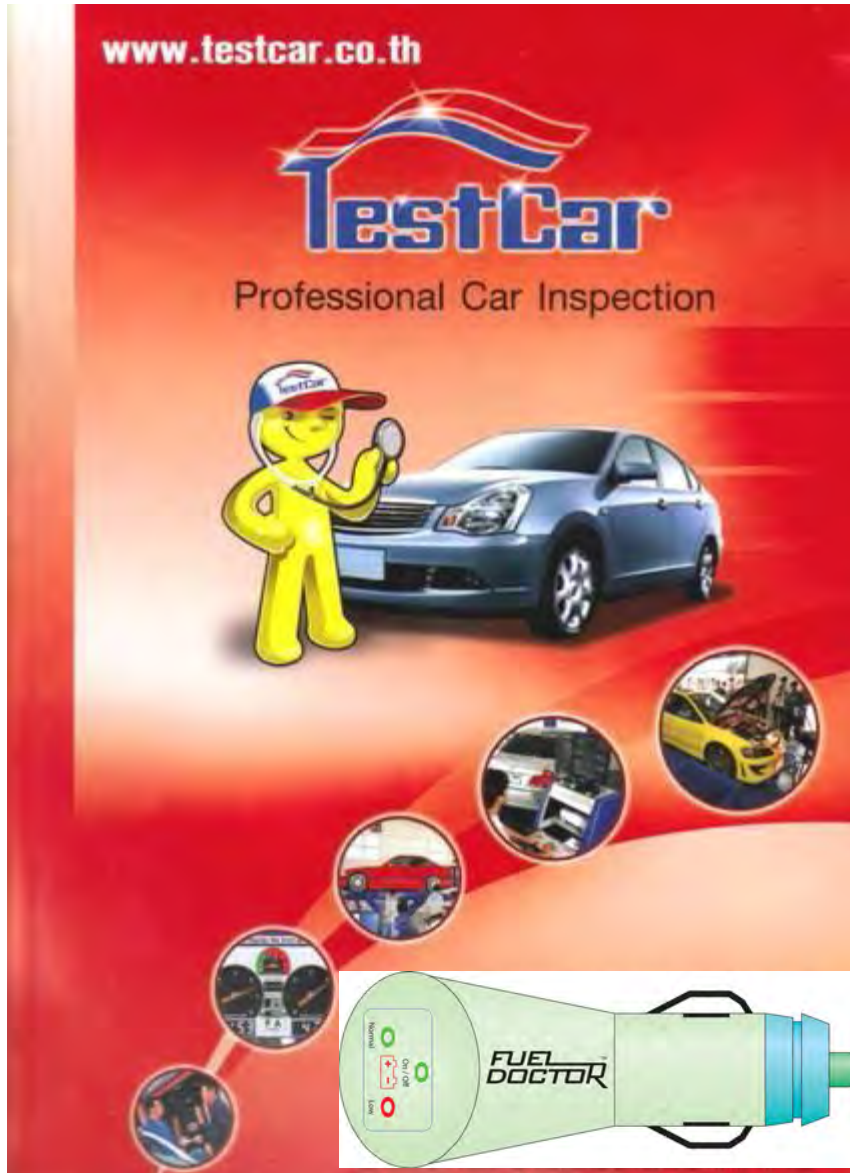
HONDA	CR-V	2000 CC		Octane 91	2001	100	10.5	100	11.8	1.3	12.4%
				LPG		100	8.9	100	10	1.1	12.4%
Toyota	Vios	1500 cc.		LPG	2005	100	11	100	14.4	3.4	30.9%
Toyota	Truck D4D Comonral	2500 cc.		Diesel	2000	100	15	100	17	2	13.3%
				Diesel							
Isuzu	Truck Gold series	3000 cc		Diesel	2006	100	13.5	100	14.5	1	7.4%
Toyota	Camry	2000 cc		Octane 95		100	11	100	15	4	36.4%
Honda	Car	1600 cc		Octane 91	1996	100	12	100	14.5	2.5	20.8%
Toyota	4 x4 (truck)	2500 cc.		Diesel	2003	100	13	100	14.5	1.5	11.5%
HONDA	CR-V	2000 CC		Octane 91	2001	100	10.5	100	11.8	1.3	12.4%
				LPG							
Toyota	Camry	2400 cc		Octane 95	2008	120	11	120	13.5	2.5	22.7%
Isuzu	D-Max (SX)	2500 cc		Diesel	2006	120	12.5	120	15	2.5	20.0%
Honda	Car	1600 cc		Octane 91	1996	110	11	110	13.36	2.4	21.5%

Test Result for FD-47



(Compare with and without FD-47)

Test Result for FD-47



Test Result for FD-47

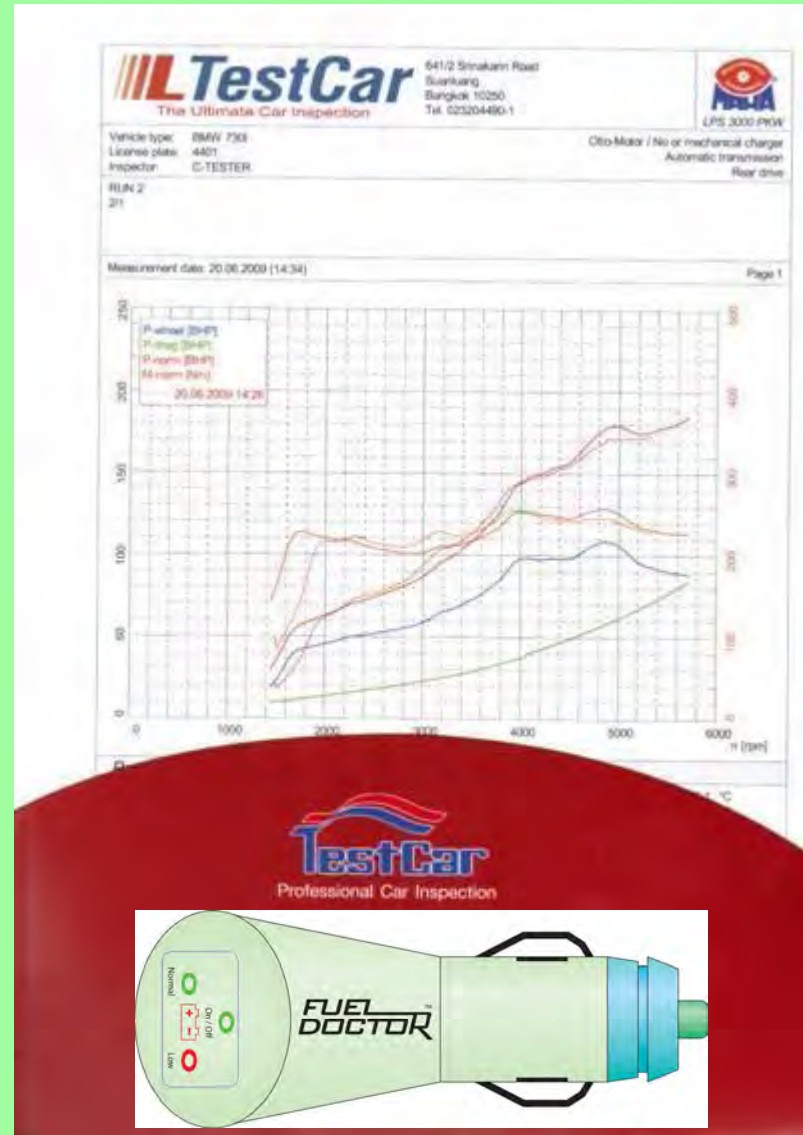


Test Result for FD-47

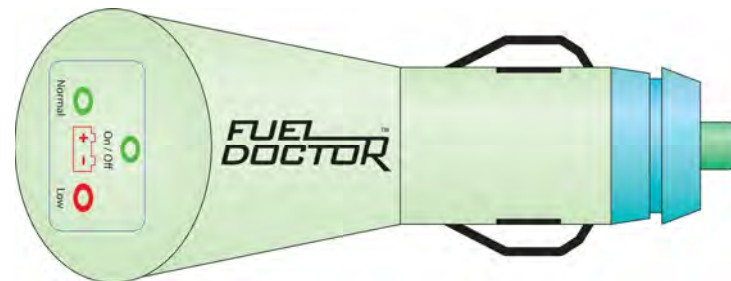
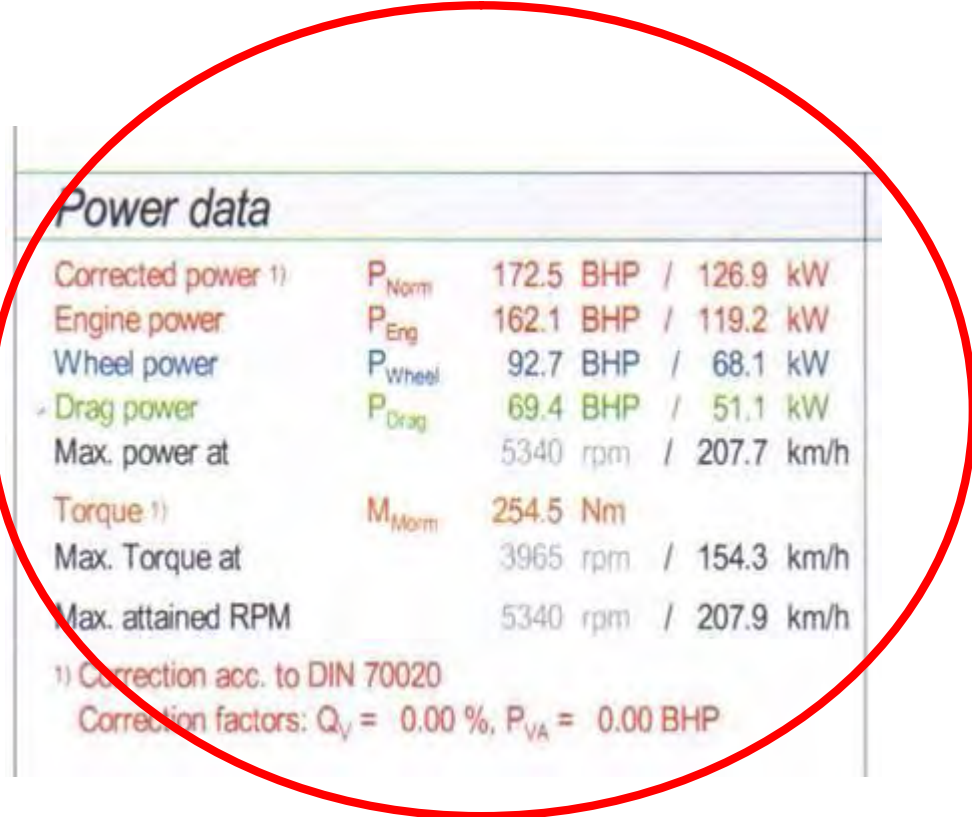


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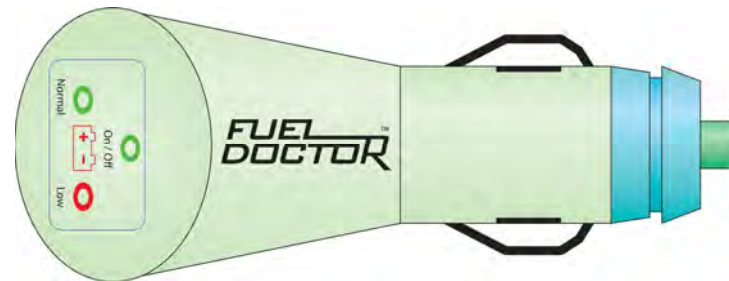
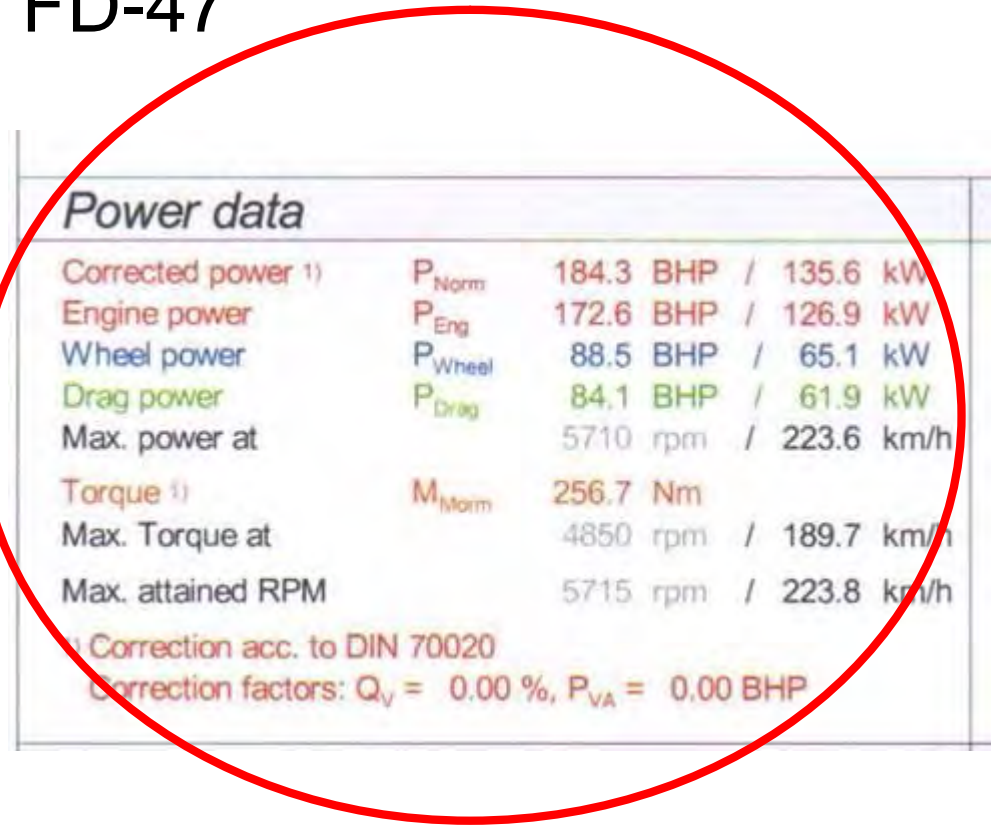


Test Result for FD-47 (without plug)



Test Result for FD-47

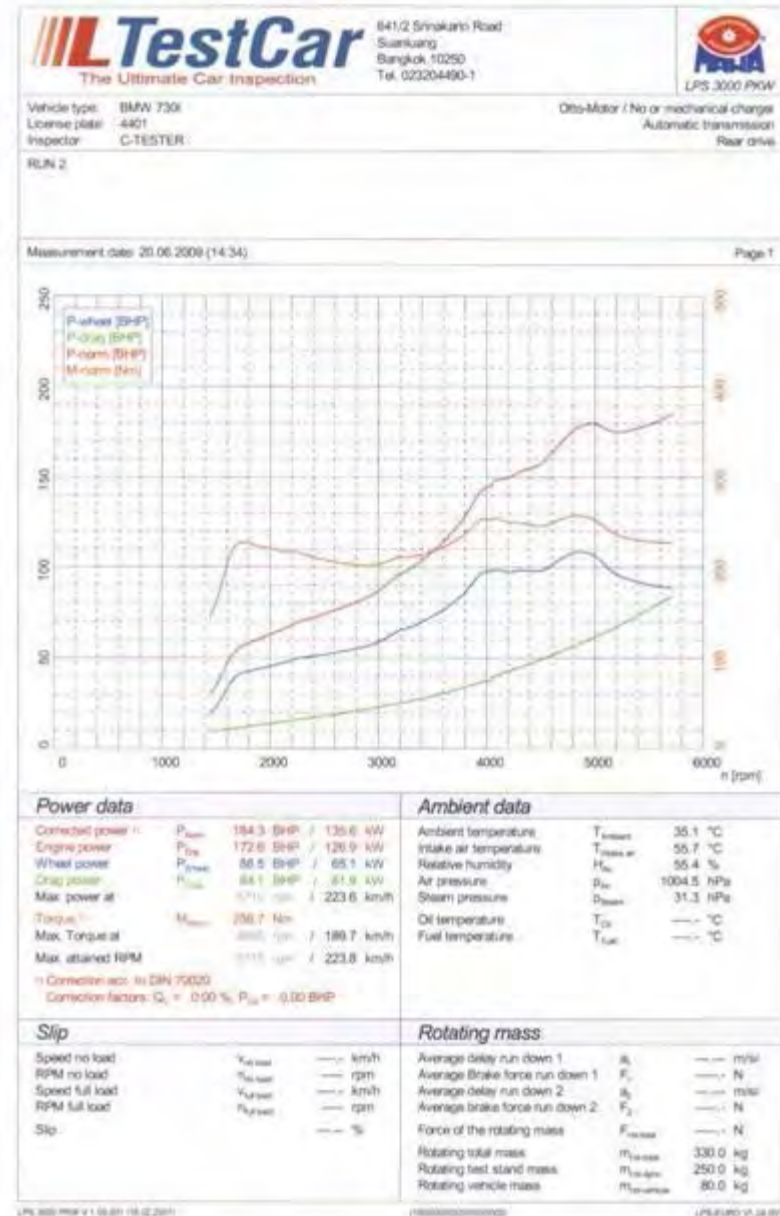
(with plug)



(without plug)

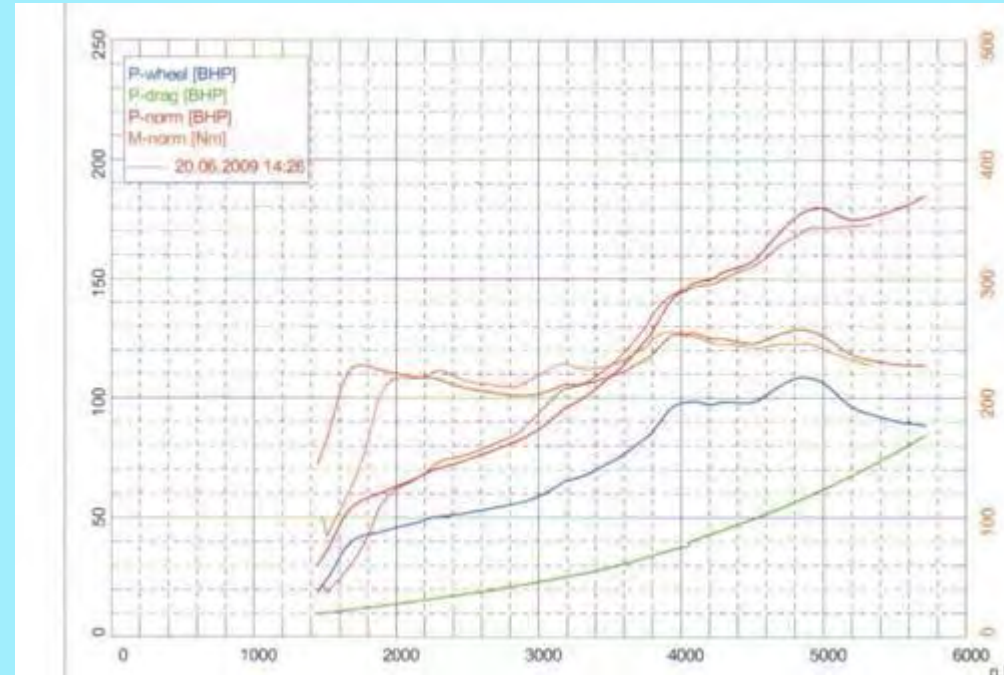


(with plug)



Test Result for FD-47

(Compare without and with plug fuel save)

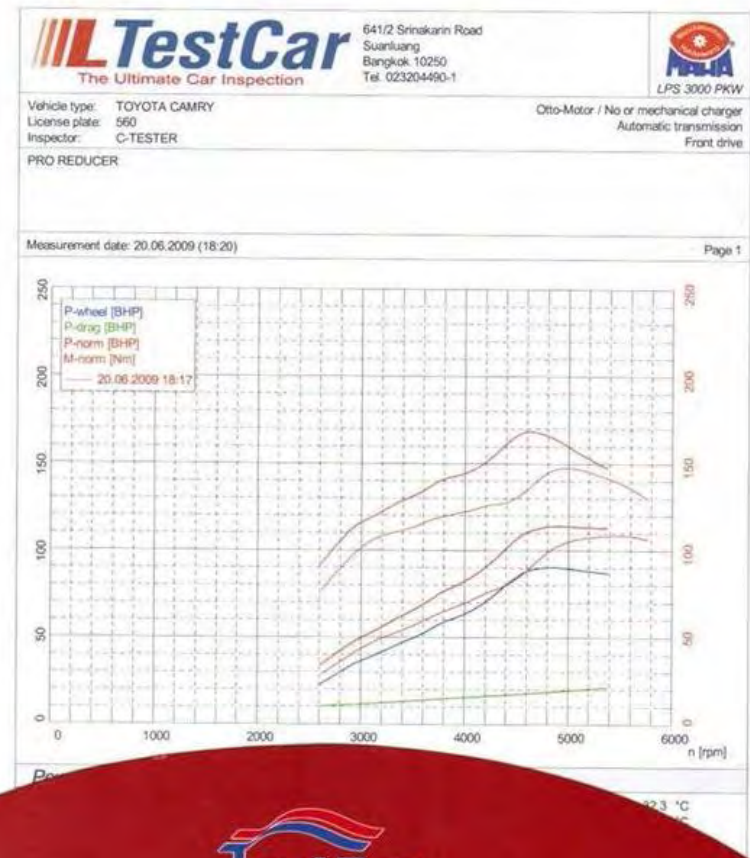


	(Decr.)	(without)	(with)	(%)
Corrected power P_{Norm}		172.5 BHP	184.3	6.84
Engine power P_{Eng}		162.1 BHP	172.6	6.47
Wheel power P_{Wheel}		88.5 BHP	88.5	-
Max power at		5340 rpm/207.7 km/h	5710 rpm/223.6km/h	
Torque 1) M_{morn}		254.5 Nm	256.7 Nm	0.86
Max Torque at		3965 rpm/154.3km/h	4850 rpm/189.7km/h	

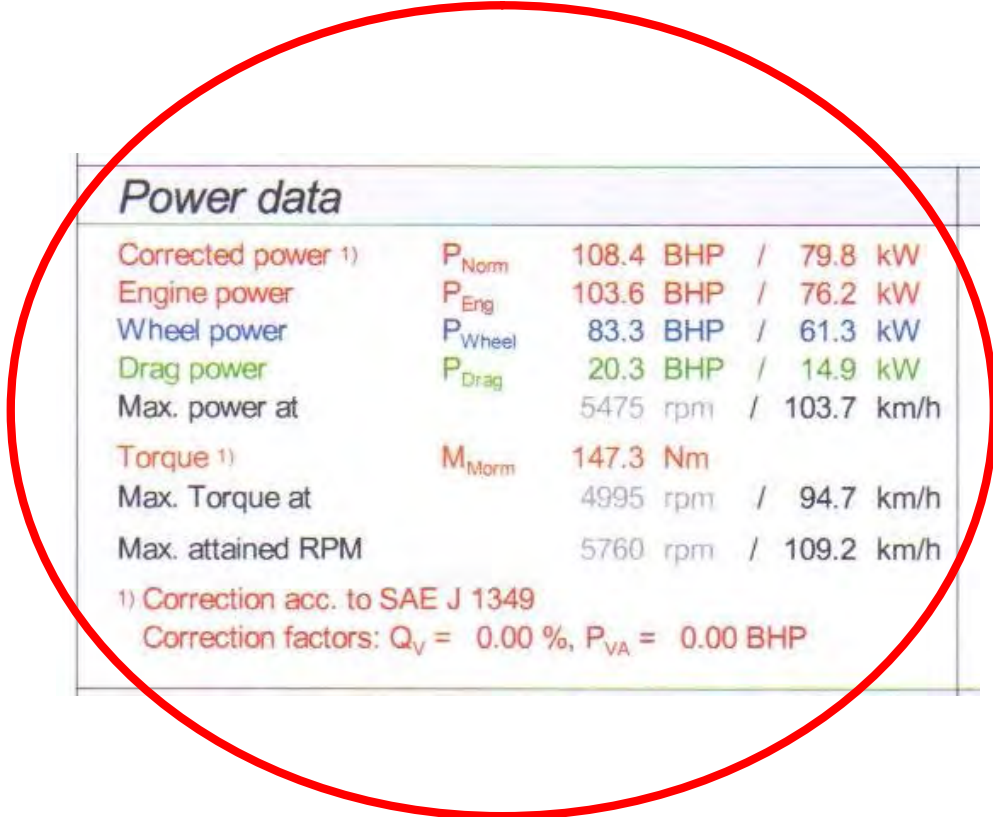
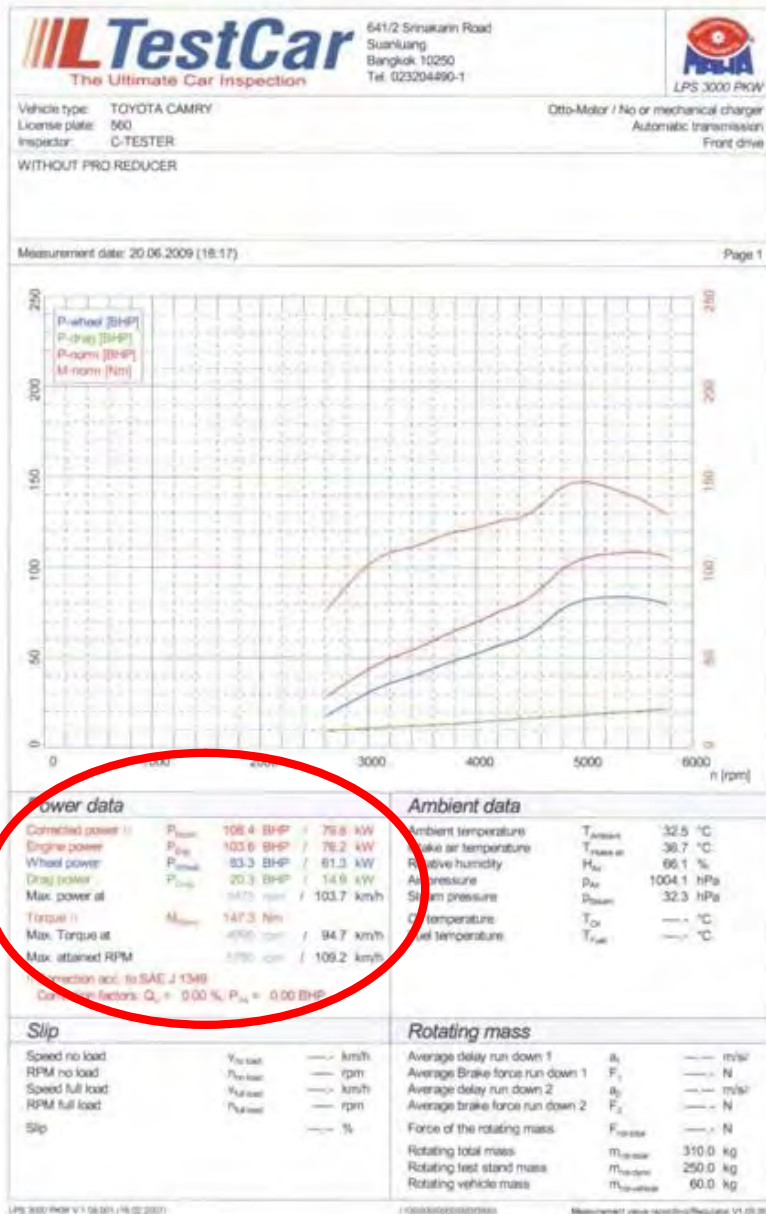
Test Result for FD-47



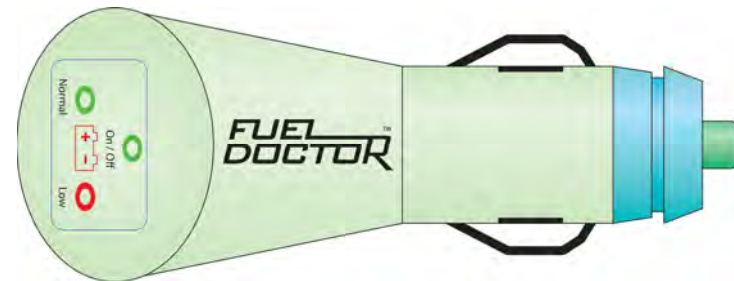
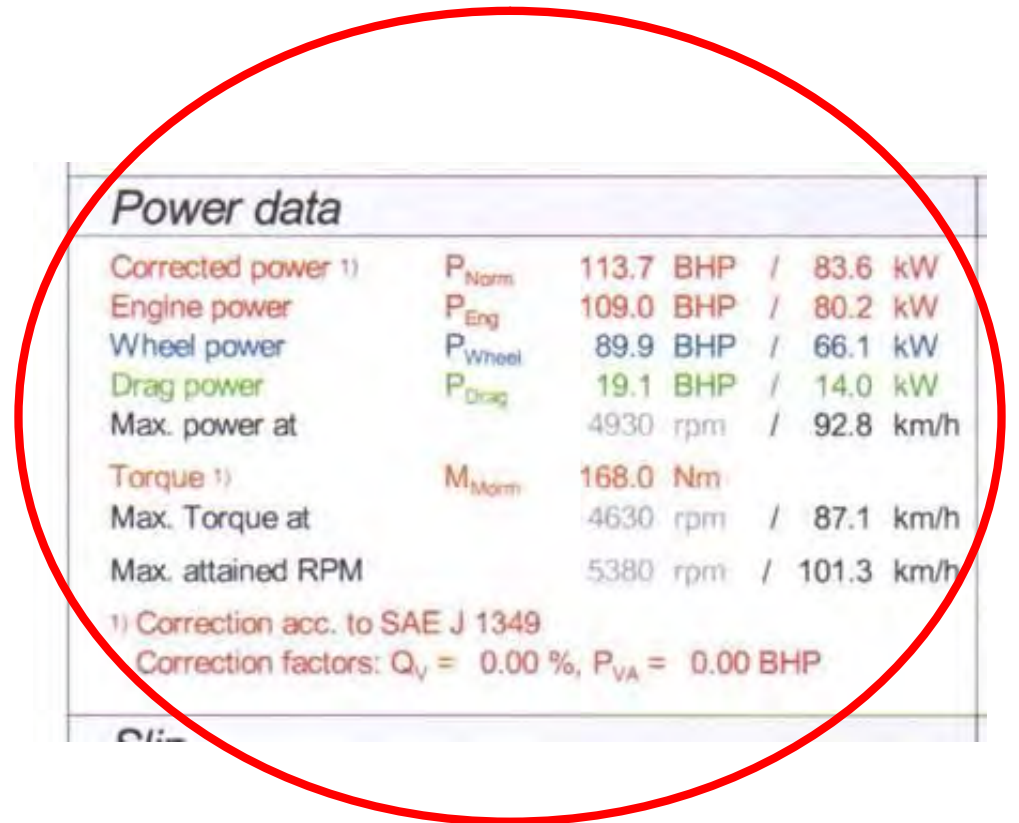
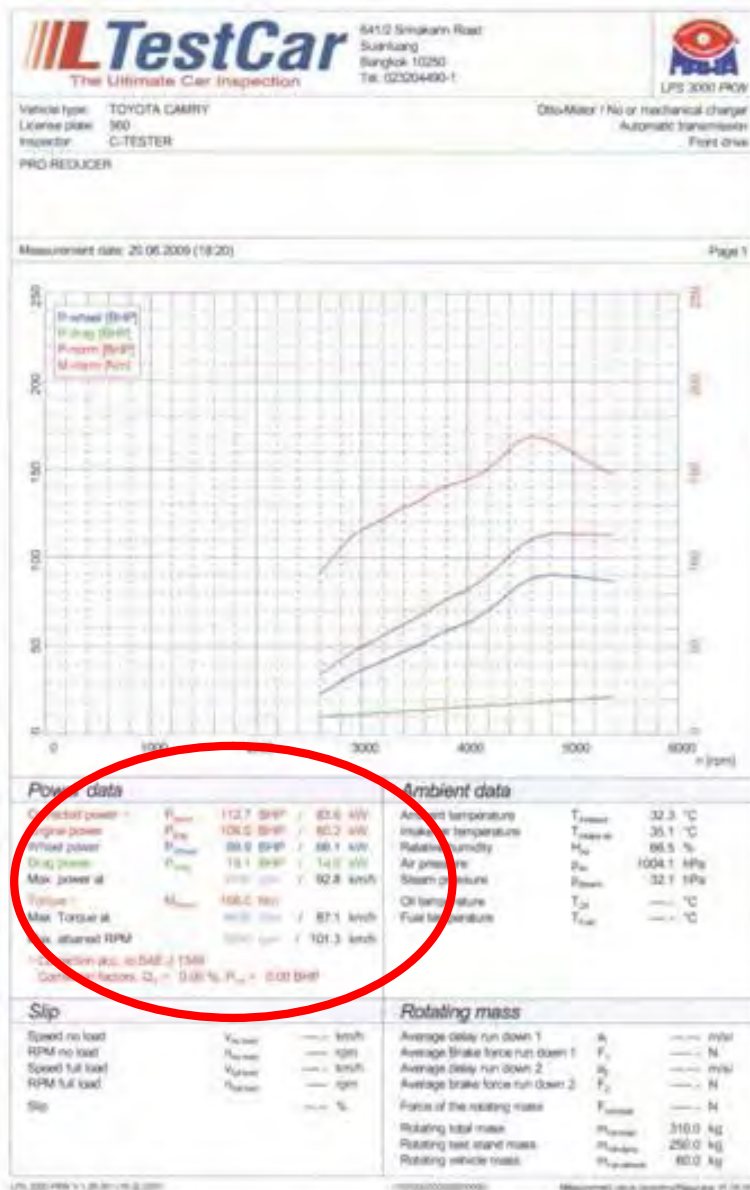
TOYOTA CAMRY
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Test Result for FD-47 (without plug)

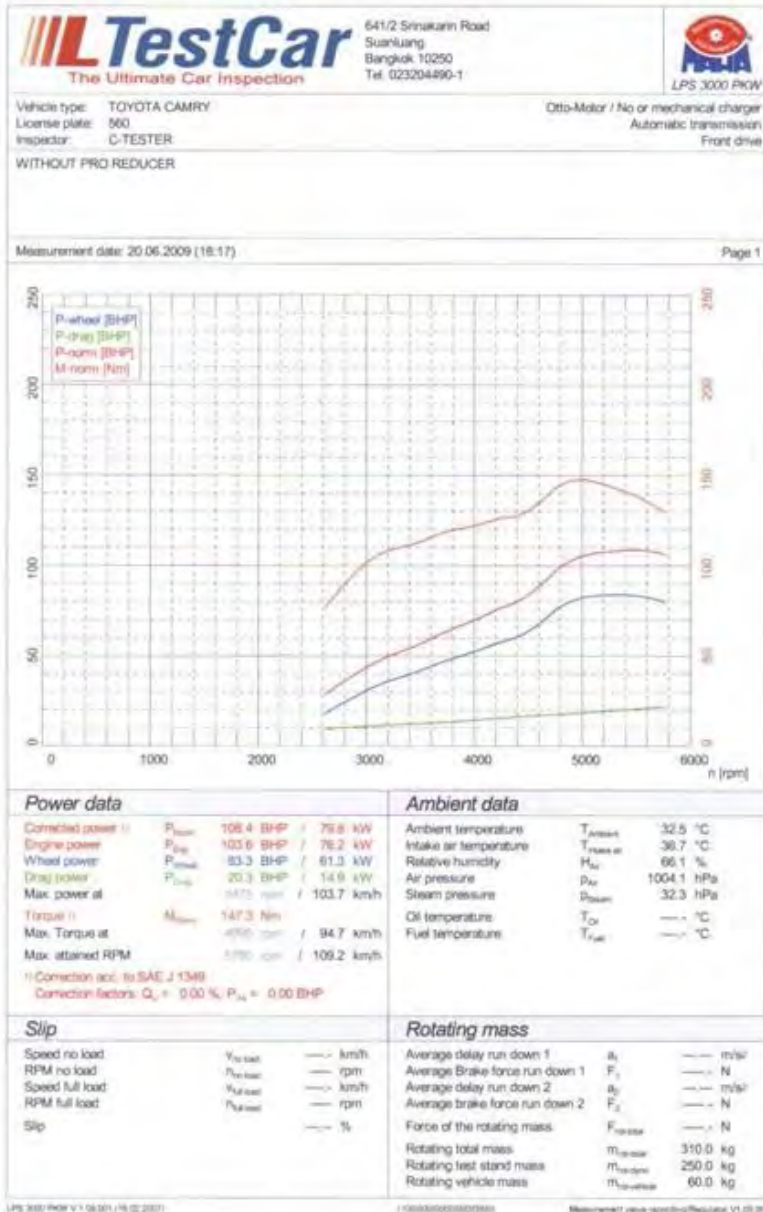


Test Result for FD-47 (with plug)



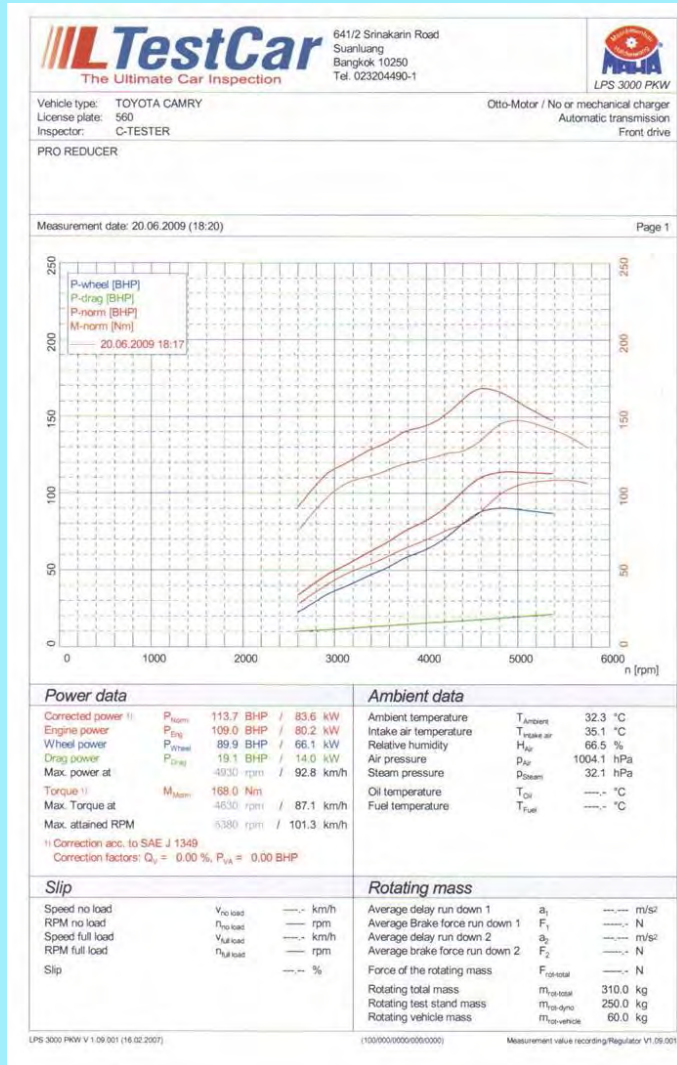
Test Result for FD-47 (without plug)

(with plug)



Test Result for FD-47

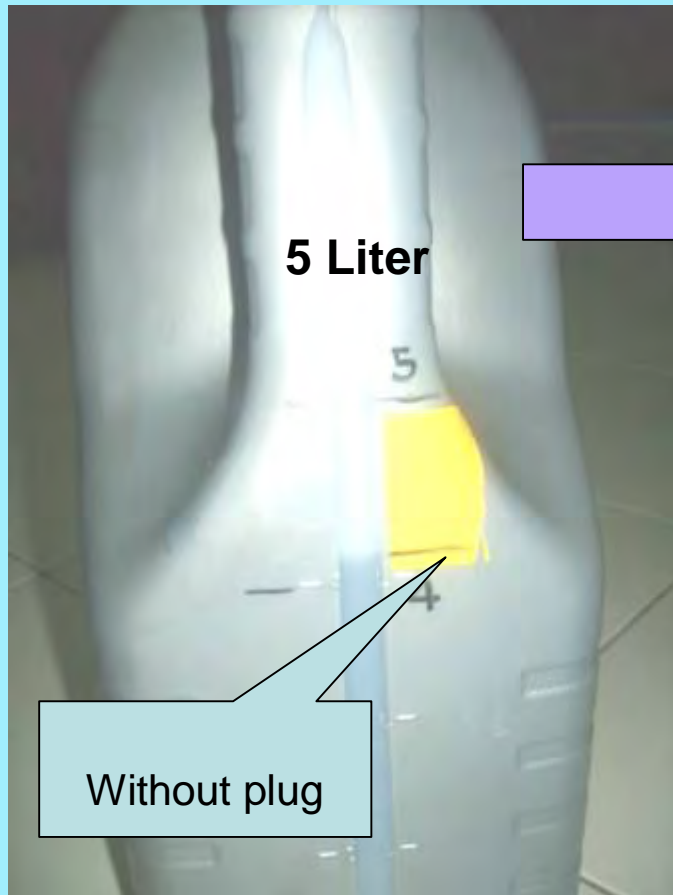
(Compare without and with plug fuel save)



	(Decr.)	(without)	(with)	(%)
Corrected power P_{Norm}	108.4 BHP	113.7	4.88	
Engine power P_{Eng}	103.6 BHP	109.0	5.21	
Wheel power P_{Wheel}	83.3 BHP	89.9	-	
Max power at	4930 rpm/92.8 km/h	5475 rpm/103.7km/h		
Torque 1) M_{morn}	147.3 Nm	168.0 Nm	14.05	
Max Torque at	4630 rpm/87.1km/h	4995 rpm/94.7km/h		

Test Result for FD-47

(Compare without and with plug fuel save)

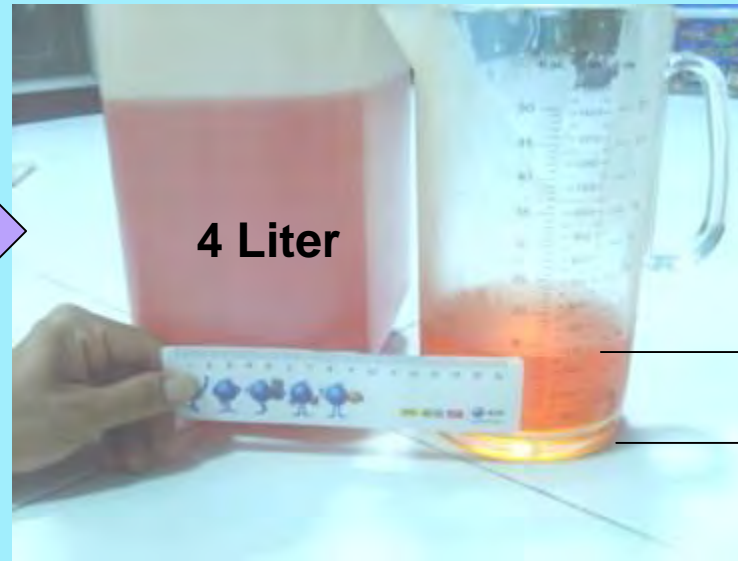
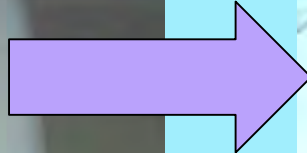


5 Liter

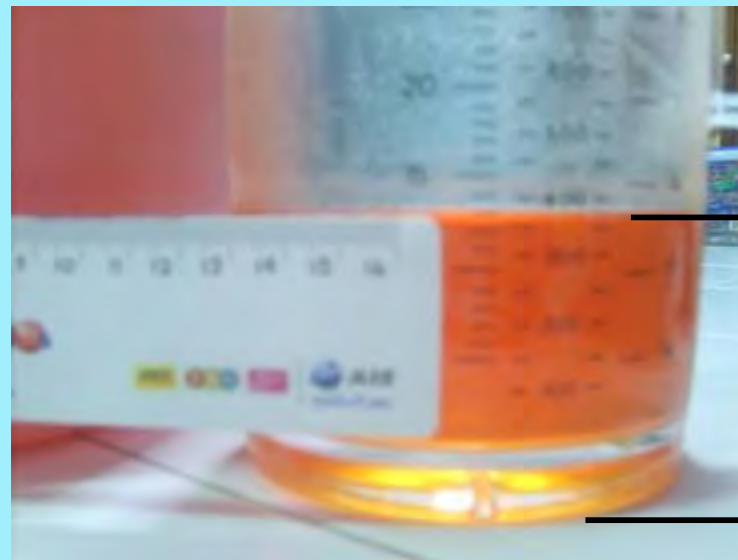
5

4

Without plug



4 Liter



1000 ml.

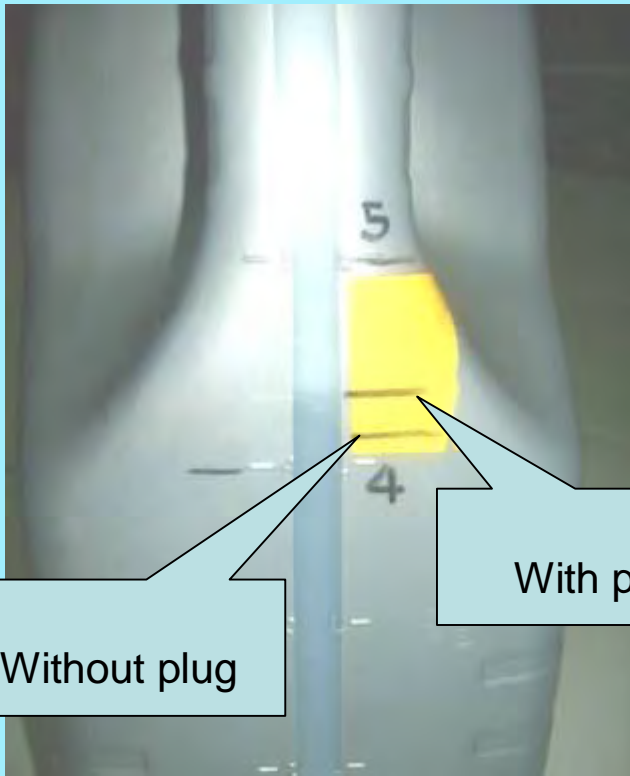
625 ml.

375 ml..

Test by lock speed 100km/h and run 40 km.
And without Fuel save plug

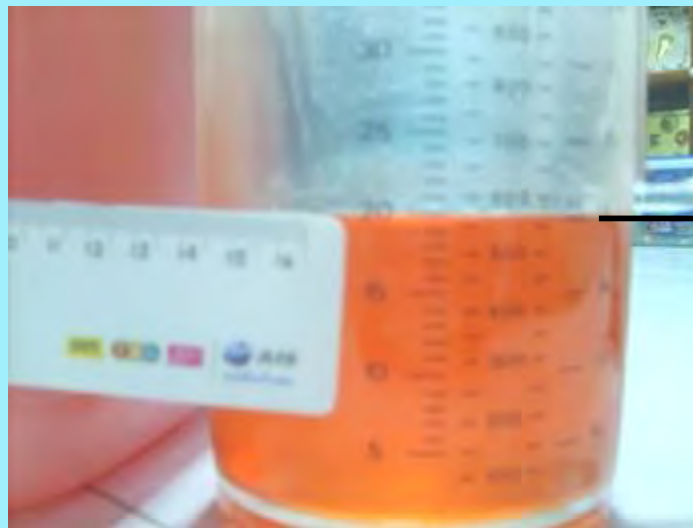
Test Result for FD-47

(Compare without and with plug fuel save)



Without plug

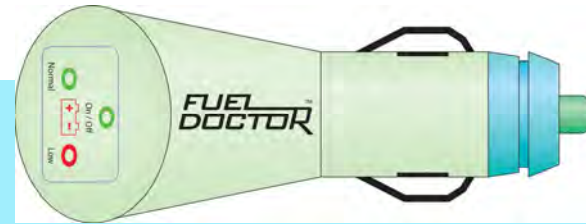
With plug



Test by lock speed 100km/h and run 40 km.
And with Fuel save plug

Test Result for FD-47

(Compare without and with plug fuel save)

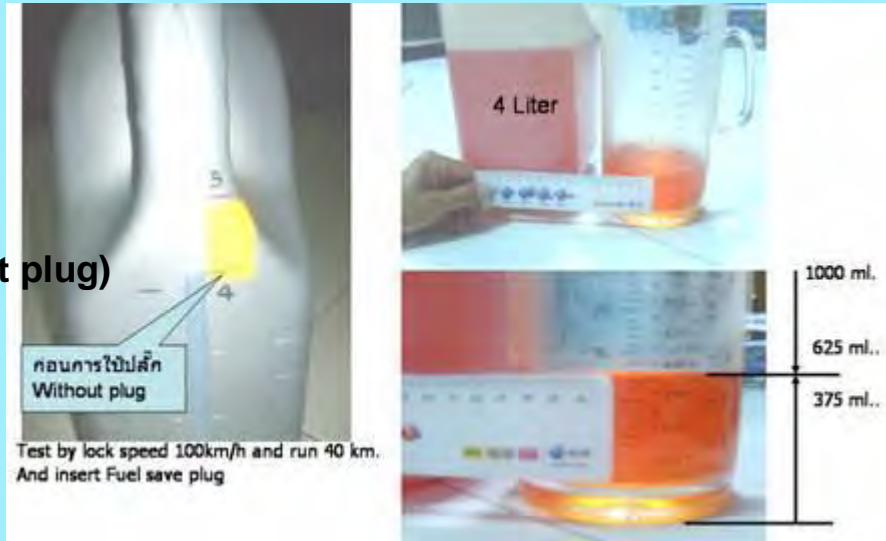


Lock speed 100km/h, distance 40kms

100 km/h

40 km.

(Without plug)



(With plug)



Without FD-47

625 ml.

With FD-47

440 ml.

Save = 185 ml.

Save = 29.6 %