



ITRI EMISSION TEST FORD

EPA FTP-75 TEST

MAKE : FORD

MODE TYPE : C224-6HA

AVERAGE SPEED : 80 km/hr

COMPARISON :

	CO(g/km)	HC(g/km)	NOX(g/km)
Before	0.56	0.044	0.13
After	0.52	0.034	0.09



ITRI (Industrial Technology Research Institute) test results : Lower emissions 20%

CALCULATION : $[(0.56-0.52) / 0.56 + (0.044-0.034) / 0.044 + (0.13-0.09) / 0.13] / 3 \times 100\%$
 $= (0.07+0.23+0.30) / 3 \times 100\%$
 $= 20\%$

REDUCE EMISSIONS : **20%**

$[(0.56-0.52) / 0.56 + (0.044-0.034) / 0.044 + (0.13-0.09) / 0.13] / 3 \times 100\%$
 $= (0.07 + 0.23 + 0.30) / 3 \times 100\%$
 $= 20\%$



Industrial Technology Research Institute
Mechanical and Systems Research Laboratories

FORD C224-6HA
2.0 A4 5D GASOLINE CAR
EXHAUST EMISSION TEST
AE 95052503



Clientage : Moletech International Limited

Address : 402 West Broadway Suite 400, San Diego, California 92101, USA

Laboratories : Industrial Technology Research Institute

Address : 195 Chung Hsing Rd., Sec 4 Chu Tung Hsin Chu, Taiwan 310, R.O.C.

Test date/ Time : May, 25th, 2006





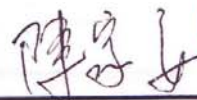
Exhaust Emission Test Result

Temperature	: 23.9 °C	Test Number	: AE 95052503
Relative Humidity	: 51.4 %	Weight	: 1520 kg
Barometric Pressure	: 748.0 mmHg	Inertial Weight	: 1530 kg
		Resistance	: 452.7 (N)80 km/hr
		Time	: 9.3 sec(85-75 km/hr)
		Tires	: 195/55R15
		Tires Pressure	: 2.2 kgf/cm ²

Exhaust Emission Test Result

Categories		C O	N M H C	N O x	T H C
FTP-75 Test Procedure	Test Result	0.56 g/km	0.044 g/km	0.13 g/km	—
	Deterioration factor	—	—	—	—
	Final Result	0.56 g/km	0.044 g/km	0.13 g/km	—
Idle	Test Result	0.00 %	—	—	0 ppm
	Final Result	0.0 %	—	—	0 ppm
SHED	Test Result	—	—	—	—
	Deterioration factor	—	—	—	—
	Final Result	—	—	—	—
P. C. V.	Test Result	—	—	—	—

1. The Results presented in this report relate only to the specified test items.
2. Test vehicle is 2005 FORD C224-6HA. No need to include deterioration factor.
3. Factory OEM. Before installing Moletech fuel saver.

 陳家安



Industrial Technology Research Institute
Mechanical and Systems Research Laboratorie

FORD C224-6HA
2.0 A4 5D GASOLINE CAR
EXHAUST EMISSION TEST
AE 95052605



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Address : 195 Chung Hsing Rd., Sec 4 Chu Tung Hsin Chu, Taiwan 310, R.O.C.

Test date/ Time : May, 26th, 2006





Exhaust Emission Test Result

Temperature	: 24.1 °C	Test Number	: AE 95052503
Relative Humidity	: 51.0 %	Weight	: 1520 kg
Barometric Pressure	: 749.0 mmHg	Inertial Weight	: 1530 kg
		Resistance	: 452.7 (N)80 km/hr
		Time	: 9.3 sec(85-75 km/hr)
		Tires	: 195/55R15
		Tires Pressure	: 2.2 kgf/cm ²

Exhaust Emission Test Result

Categories		C O	N M H C	N O x	T H C
FTP-75 Test Procedure	Test Result	0.52 g/km	0.034 g/km	0.09 g/km	—
	Deterioration Factor	—	—	—	—
	Final Result	0.52 g/km	0.034 g/km	0.09 g/km	—
Idle	Test Result	0.00 %	—	—	2 ppm
	Final Result	0.0 %	—	—	2 ppm
SHED	Test Result	—	—	—	—
	Deterioration Factor	—	—	—	—
	Final Result	—	—	—	—
P. C. V.	Test Result	—	—	—	—

1. The Results presented in this report relate only to the specified test items.
2. Test vehicle is 2005 FORD C224-6HA. No need to include deterioration factor.
3. After installing Moletech fuel saver.

 陳家安

Laboratory Director

ITRI EMISSION TEST TOYOTA

EPA FTP-75 TEST
MAKE : TOYOTA
MODE TYPE : 2003 CE1EPD
AVERAGE SPEED : 80 km/hr

COMPARISON :

	CO(g/km)	HC(g/km)	NOX(g/km)
Before	0.76	0.093	0.21
After	0.63	0.080	0.17



CALCUATION :

$$\begin{aligned}
 & [(0.76-0.63) / 0.76 + (0.093-0.080) / 0.093 + (0.21-0.17) / 0.21] / 3 \times 100\% \\
 & = (0.17+0.14+0.19) / 3 \times 100\% \\
 & = 16.67\%
 \end{aligned}$$

REDUCE EMISSIONS : **16.67%**



EMISSION IDLE TEST TOYOTA

MAKE : TOYOTA
MODE TYPE : 2003 CE1EPD

COMPARISON :

	CO%	HC PPM	
Before	0%	127 PPM	
After	0%	4 PPM	



PPM = Part Per Million

Reduced HC% : $[(127-4) / 127] \times 100\% = 96.85\%$

REDUCE EMISSIONS : **96.85%**

EMISSION TEST-BEFORE TOYOTA

Exhaust Emission Test Result

Temperature	: 24.0 °C	Test Number	: AE 06052101
Relative Humidity	: 48.0 %	Weight	: 1295 kg
Barometric Pressure	: 97.6 kPa	Inertial Weight	: 1300 kg
		Resistance	: 404.1 F(80) N
		Time	: 8.9 (85-75kph) sec
		Tires	: 195/65R15
		Tires Pressure	: 2.5 kgf/cm ²

Categories		CO	NMHC	NOx	CO ₂
FTP -75	Test Result	0.76 g/km	0.093 g/km	0.21 g/km	179.3 g/km
	Deterioration	---	---	---	---
	Final Result	0.76 g/km	0.093 g/km	0.21 g/km	179.3 g/km

Categories		CO	HC	-----	-----
Idle	Test Result	0.0 %	127 ppm	-----	-----
	Final Result	0.0 %	127 ppm	-----	-----

1. The results presented in this report relate only to the specified test items.
2. Test vehicle is 2003 TOYOTA CE1EPD. No need to include deterioration factor.
3. Factory OEM. Before installing MOLETECH fuel saver.





EMISSION TEST-AFTER TOYOTA

Exhaust Emission Test Result

Temperature : 24.4 °C Test Number : AE 06060801
Relative Humidity : 49.5 % Weight : 1296 kg
Barometric Pressure : 96.4 kPa Inertial Weight : 1300 kg
Resistance : 404.1 F(80) N
Time : 8.9 (85-75kph) sec
Tires : 195/55R15
Tires Pressure : 2.5 kgf/cm²

Categories		CO	NMHC	NOx	CO ₂
FTP -75	Test Result	0.63 g/km	0.080 g/km	0.17 g/km	178.2 g/km
	Deterioration	---	---	---	---
	Final Result	0.63 g/km	0.080 g/km	0.17 g/km	178.2 g/km

Categories		CO	HC	-----	-----
Idle	Test Result	0.0 %	4 ppm	-----	-----
	Final Result	0.0 %	4 ppm	-----	-----

1. The results presented in this report relate only to the specified test items.
2. Test vehicle is 2003 TOYOTA CE1EPD. No need to include deterioration factor.
3. After installing MOLETECH fuel saver.

