

裕隆日產技術中心

測試報告

報告編號：RE-07-X11K-021

簽署日期：2007年12月11日

測試名稱：X11K加裝“閉迴路燃油控制器”商品性油耗測試

測試日期：2007.11.20 ~ 11.22

委測單位：引擎處盤科

車型類別：X11K

測試車輛 NISSAN BLUE BIRD 2000CC

原車傳動 無段變速

原車油耗 1L/19 KM

報告簽署人：



報告撰寫人：

徐功



- * 本報告含封頁共5頁,送測單位可自由使用,但須整份使用,分開使用無效。
- * 本報告僅對測試樣本負責。

測 試 報 告

Testing Report

測試名稱：X11K 加裝“閉 路燃油控制器” 商品性油耗測試

Name of Tested: X11K installed “Fuel saver” evaluation fuel consumption testing.

測試日期：2007.11.20~11.22 測試地點：廠外公道

Date of Tested: 2007.11.20~11.22 Location of Tested: outside road way of factory

測試單位：車輛測試科

Department of Tested: vehicle testing dept

測試人員：范錦昌、周濟、高昇敬、葉勵達、張志瑋、徐功芳

Tested of staffs :Fan R'. Chou R'. Kao R'. Yeh R'. Chang R'. Hsu R'.

委測單位：引擎底盤科

報告編號：RE-07-X11K-021

Department of authorize:engine chassis dept

Number of report: RE-07-X11K-021

一、測試目的 Tested of purpose

進行 X11K 加裝“閉 路燃油控制器” 之商品性油耗測試，模擬一般車主於公道走行時之駕駛特性，用以比較加裝控制器前後之油耗差異量，並確認是否有其他異常狀況發生。

Doing X11K installed “Fuel saver” of evaluation fuel consumption testing, imitated in general people who are driving on the road, used to compare before install gas saver and after installed gas saver what's different with fuel consumption, and also make sure is any unusual situations happened yet.

二、測試樣本 Sample of tested

測認樣本 Sample of tested	車輛編號 Number of vehicle	引擎號碼 Number of engine	車身號碼 Number of car body	車重 (C.W.)	Tire Size	Tire Pressoue
加裝控制器 Installed gas saver	X11K ET#1	MR20-000021S	G11TSB000001	1278kg	195/60R1	Fr/Rr=222.0kg/cm2
原況 Original	X11K EUR04 PT#1	MR20-003722S	G11TSC000011	1277kg		

三、測試條件及規格 Tested conditions and specification

1. 測試方式：以兩台測試車同步走行(1 台 加 R 控制器&1 台 原況)。

Mode of tested: Used two vehicles tested started on the same way(1 installed gas saver & 1 maintained original)

(始動時間、走行路線、走行車速、結束時間兩車相同)

(start time, driving route, driving speed, times ending as same as two vehicles)

2. 走行路線：兩車相同(廠外公道，Course 請參閱下表)。

Driving route: same as two vehicles(outside route way, Course as following).

3. 配重條件：(C.W.+3 人載=1443kg)。

Load condition: (C.W+3 persons=1443kg).

4.駕駛條件：行駛期間，每間隔 20~30km 兩車駕駛輪流互換。

Driving condition: during driving, each 20~30km two vehicles drivers alternated to driving.

5.A/C 條件：兩車相同(Auto Mode、Temp. Set 24°C 內氣循環)。

A/C condition: same of two vehicles(Auto Mode. Temp. Set 24C inside circulate).

6.天候條件：晴朗、路面乾燥。

Weather condition: sunny . dry of the road surface.

7.儀器設備：無。

Device of facilities: no

No	Mode	Course	車速 Speed	測駛員 Driver	路線圖 Map of route
1	Mixed Mode	高速公路(30%) + 快速道路(20%) Free way(30%)+Speedy way(20%) + 路 10%)+市街路(30%)+山道 (10%)+Road 10%)+city.street.road(30%)+mountain road	10~ 110km/h	周、高 張、徐 Chou.Kao.Chang.Hsu	請參閱附 件 1 As following attached 1
2	High Speed Mode	高速公路(40%) + 快速道路(20%) Free way(40%)+Speedy way(20%)	90~ 110km/h	葉、周 Yeh. Chou	請參閱附 件 2 As following attached 2
3	City Mode	路 50%)+市街路(50%)	10~ 60km/h	范、周 Fan. Chou	請參閱附 件 3 As following attached 3

四、結論 Conclusion

1. X11K 加裝“燃油控制器”後，商品性油耗表現較原況佳。各行走 Mode 可提昇 1.3~1.4km/L。(約較原況提昇 9.0%~14.3%)。

2. 商品性評價期間，加裝“燃油控制器”，無異常狀況發生，判定 OK。

1. After installing "Fuel Saver" on to X11K., Fuel economy have increased noticeably. In all modes of mileage has improved 1.3~1.4 km/L. (Increased of 9.0~14.3 % better than original)

2. During evaluation tested vehicles were operating normally when installed "gas saver". determine OK.

五、測試結果 Testing result

1.商品性油耗：加裝“閉路燃油控制器”後，油耗表現較原況佳。

(以本測試各走行 Mode 而言，油耗可提昇 1.3~1.4km/L；與原況比較，約提昇 9.0~14.3km/L。)

1. Product effectiveness: Installed "Fuel saver" has improved fuel economy on tested vehicles before, fuel consumption better than original.

(In all different Modes of testing, fuel consumption has improved 1.3~1.4 km/L ; compare with original, Increased about

9.0~14.3km/L.)

Mode 測試樣本 Sample of tested	Mixed Mode		High Speed Mode		City Mode	
	加裝控制閥 Fuel saver	原況 Origin	加裝控制閥 Fuel saver	原況 Origin	加裝控制閥 Fuel saver	原況 Origin
走行距離(kin)(儀表顯示) Running interval(km) shown gauge	291.5	293.5	405.2	406.1	126.1	126.4
消耗燃料(L)Fuel economy	22.9	25.0	25.6	27.9	11.2	12.8
油 耗 (km/L)Fuel consumption	12.7	11.3	15.8	14.5	11.2	9.8
差異量(km/L)Difference of quantity(km/L) (加裝控制器－原況)Installed fuel saver-origin	1.4		1.3		1.4	
省油率(%)Gas saving efficiency(%) (加裝控制器－原況)×100% (原況)(Installed gas saver-origin)×100%(origin)	12.4%		9.0%		14.3%	

2.其他：於商品性評價期間，加裝“閉路燃油控制器”車輛，無異常狀況發生，判定 OK。
(註：駕駛性測試時，曾發生“定／經油門發速(測試條件別)－加速 動”之異常現象，但於商品性評價之走行 course 中。該條件別實際使用頻度低，異常現象並無發生)

2->During the evaluation, installed “ Fuel saver” tested vehicles were operating normally, determine Ok.
(note: During driving testing there were an incident of stumbling, however the incident were not a test criteria therefore product are evaluated normal)

六、附件 走行路線圖：Mixed Mode(附件 1)、High Speed Mode(附件 2)、City Mode(附件 3)。

六. Attached map of testing route: Mixed Mode(Attached 1). High Speed Mode(Attached 2). City Mode(Attached 3).

*本報告僅對測試樣本負責!

This report just take responsibility to sample of testing only!