

Appendix 2: Documents required and the compliance matters for Certificate of Conformity application

1. When applying for the Certificate of Conformity, the following documents shall be provided:
 - 1.1 Application form (to be completed in application format).
 - 1.2 Draft "Gasoline vehicle model emissions Certificate of Conformity" (to be completed in application format).
 - 1.3 Authorization document provided by foreign vehicle manufacturer to the designated domestic dealer. The authorization documents shall endow the domestic dealer with full authority to represent the vehicle manufacturer, and bear the same responsibilities. Inside the authorization document the vehicle models that being covered by the engine family should be declared; the relevant information on testing items and contents for the US or EU certification and the corresponding vehicle model code recorded on the Certificate of Conformity should be provided. If no attaching authorization documents could be provided, the applicant may submit an application through an association of importers or distributors and with a letter of guaranty certifying that they will bear the same responsibilities as the vehicle manufacturer.
 - 1.4 A letter of guaranty to ensure the vehicle model complies with the related emissions standards and durability requirements and with no defeat devices being installed.
 - 1.5 Quality control (Conformity of Production) plan for mass-production gasoline vehicle emissions control; the plan shall conform to the following provisions:
 - 1.5.1 The Conformity of Production plan shall include the following contents:
 - 1.5.1.1 Self-conducted selective testing method.
 - 1.5.1.2 Selective sampling ratio.
 - 1.5.1.3 Testing items.
 - 1.5.1.4 Organization name that conduct the test.
 - 1.5.1.5 Instruments and equipment.
 - 1.5.1.6 Test results and a complete record of the testing
 - 1.5.1.7 Deployment data for personnel implementing the Conformity of Production plan and the personnel information who will cooperate with the new vehicle selective testing and the recall and correction investigation testing.
 - 1.5.1.8 Flowchart of plan implementation.
 - 1.5.1.9 Improvement plan for problems or issues.
 - 1.5.1.10 Other supplementary explanations and information on mass-production vehicles' after sales service stations.
 - 1.5.2 For domestic made vehicles, the conformity of production testing should be performed by the central competent authority accredited inspection and

testing laboratories.

- 1.5.3 For imported vehicles, the conformity of production testing should be performed by the inspection and testing organizations overseas approved by the central competent authority, or performed by the local inspection and testing organizations accredited by the central competent authority.

For the overseas performed conformity of production testing, if deemed necessary, the central competent authority may designate local inspection and testing organizations to perform comparison testing, the applicant shall pay the fees for testing and vehicle transportation.

- 1.6 General information about applicant and the engine family (see Table A)
- 1.7 Additional engine family information and projected annual sales for all models (see Table B)
- 1.8 Specifications and identification methods for all vehicle models and engine family (see Table C)

Determination factors for the rotary engine vehicles to be considered as the same Engine Family are as follows:

- 1.8.1 The generating radius of the epitrochoid axis and smallest epitrochoid must be identical for each individual vehicle model.
- 1.8.2 The width of the rotor housing in each individual vehicle model must be within 15% of the largest housing width.
- 1.8.3 The air inlet port type (side, peripheral, combined, etc.), exhaust port type (side, peripheral, combined, etc.), and housing surface configurations (air cooling, liquid cooling, and rotor array) must be identical for each individual vehicle model.
- 1.8.4 The combustion cycle, air supply method, the number of spark plugs for each rotor, and fuel system type must be identical for each individual vehicle model.

The types of fuel systems in the previous paragraph are as follows:

- 1.8.4.1 Carburetor system: Number of carburetors, number of Venturi tubes, and operating principles for such as a single Venturi tube, air valve, etc.

- 1.8.4.2 Fuel injection system: System type, type of flow (continuous or intermittent), etc.

- 1.9 Basic engine information (see Table D)
- 1.10 Transmission and gearshift system information (see Table E)
- 1.11 Emission control system descriptions and schematic diagrams (see Table F)
- 1.12 Location of emission control system in vehicle, and a list of all emissions control components with part number for each component (see Table G)
- 1.13 Guideline for owner's manual and emissions label to be affixed to gasoline vehicle (see Table H)

- 1.13.1 The applicant shall provide owner a Chinese user's manual as maintenance guide for vehicle normal operation, thereby ensuring the emission control system can function normally, and clarify the expiration date of warranty for the emission control system.
- 1.13.2 For an application that submitted through the association of importers and distributors, the being provided Chinese version owner's manual should include the addresses and telephone numbers of the after-sales service centers and stations.
- 1.13.3. In the owner's manual, the maintenance guide for the emissions control related components shall be described in detail in the remarks of Table H.
- 1.13.4 The vehicle emissions label requirements are as follows:
 - 1.13.4.1 The applicant shall produce at least one long-lasting and easily identifiable label and affix it to the vehicle in a clearly visible place.
 - 1.13.4.2 The label shall not be easy to remove from the vehicle, if being tear off, it will be damaged or causing printed text unrecognizable.
 - 1.13.4.3 Applicants that have obtained the Certificate of Conformity shall affix the label onto the vehicle before sale. The contents shall include the following information in Chinese:
 - a. The title of the label shall be "Vehicle Emissions Control Information".
 - b. Full title of the company, vehicle manufacturer and brand.
 - c. Engine family, engine displacement, emissions control system and OBD system (OBDII or EOBD).
 - d. The engine optimal performance adjustment specifications such as: idle engine speed, ignition timing, valve clearance, and other parameters deemed necessary by the vehicle manufacturer.
 - e. The vehicle related information such as compliance standards and its effective date etc. shall be stated, such as: For vehicles comply with emission standards effective on Jan. 1, 2008, the statements shall be "This engine family complies with the Stage 4 emission standards effective on January 1, 2008" (or "This engine family complies with the emission standards effective on January 1, 2008") and "Remove or modify the emissions control equipment is prohibited".

For vehicles comply with emission standards effective on October 1, 2012, the statements shall be "This vehicle complies with the gasoline and alterative clean fuel engine emission standards effective on October 1, 2012" and "Remove or modify the emission control equipment is prohibited". For vehicles comply with the emissions standards effective on September 1, 2019, the statements shall be "This vehicle complies with the gasoline and alterative clean fuel

engine emission standards effective on September 1, 2019” and ”Remove or modify the emission control equipment is prohibited”.

- f. Schematic locations of all emissions control equipment related to the engine.
 - g. Vehicles with catalytic converters and carbon canisters shall prepare a damage-resistant label with identification number or model number and affix to a visible place on the emissions control equipment. The said identification number shall be identical to that listed in the "Vehicle Emissions Control Information".
- 1.14 The deterioration factors for each pollutant (see Table I)
 - 1.15 Road-load setting information for the engine family covered test vehicles that being tested on chassis dynamometer (see Table J)
 - 1.16 Vehicle test results and test report for the new vehicle model certification testing (see Table K). If the vehicle uses more than one fuel type, test reports for each fuel type must be attached.
 - 1.17 When applying for carry-over of the model year’s Certificate of Conformity, vehicle configuration modification or the extension of Certificate of Conformity to new configurations, in addition to providing relevant information in accordance with these provisions (if the application information is identical with the previous one in the central competent authority filed archive, the filed information may be specified as reference), a list of amended items each time, date of each amendment, and a summary of amendment contents must be reported (see Table L).
 - 1.18 Vehicle specifications.
 - 1.19 Photograph of the test vehicle.
 - 1.20 Vehicles with the US or EU issued Certificate of Conformity and is in compliance with Taiwan's emission standards and relevant regulations, the following documents shall be submitted to the central competent authority for application purpose:
 - 1.20.1 Photocopies of the US or EU issued Certificate of Conformity and other relevant required documents for application.
 - 1.20.2 An emissions test report consistent with the issued Certificate of Conformity.
 - 1.20.3 The deterioration factors together with complete setting records for the vehicle.

For vehicle with the Tier 2, Tier 3 emission standards Certificate of Conformity issued by the US EPA or LEV II, LEV 3 low emission standards Certificate of Conformity from the state of California and there is no NMHC value on the exhaust emissions test report for the

representative vehicle, the applicant shall convert the recorded value of NMOG into NMHC value and rounded to the three places to the right of the decimal point as the test result value.

- 1.20.4 A declaration confirming that the imported vehicle is identical in configuration to the original foreign vehicle model, and possessing identical emissions characteristics.
- 1.21 The applicable emission standards shall be in accordant with the vehicle category determined by the Ministry of Transportation and Communications.
- 1.22 For the Certificate of Conformity application from gasoline vehicle manufacturer authorized agent, if the name of imported vehicle model is different from the name stated in the Conformity of Certificate obtain from overseas, the following documents shall be submitted to the central competent authority for application:
 - 1.22.1 Proof of origin of the vehicle that being provided by the vehicle manufacturer or by the authorized agent.
 - 1.22.2 Provide related information and descriptions for the said vehicle model's engine family and emissions control system.
- 1.23 Filing of the country of being manufactured or imported: For the engine family or vehicle model that already obtained the US or EU issued Certificate of Conformity, according to the COC recorded country for the filing; for the engine family or vehicle models without the US or EU issued Certificate of Conformity but using the domestic testing reports for the application, the registration of import area shall be according to the on-ship country being recorded on the Customs issued Tax Payment Certificate.
- 1.24 Starting from 2008 (include) model year vehicles, applicants shall provide OBD relevant documents to comply with these provisions. The contents of these documents are as follows:
 - 1.24.1 Description of the OBD system.
 - 1.24.2 Description or annotated drawing of the MIL used in the OBD.
 - 1.24.3 Description of all emissions control equipment and related components/systems monitored by the OBD, as well as a list of malfunction codes, related computer code format and contents.
 - 1.24.4 Description or flowchart of the actuation principle for the OBD monitoring devices (including monitoring strategy, malfunction indicator standards and MIL light on timing).
 - 1.24.5 OBD test report.
 - 1.24.6 An explanation of adopted solutions or strategies to prevent arbitrary adjust or modify the Engine Control Units (ECU).
 - 1.24.7 Description of the location of the OBD connector (DLC).
 - 1.24.8 Other required supplemental documents when deemed necessary.
- 1.25 For HEV applications the following explanations shall be provided:

- 1.25.1 Verification and description of the vehicle type.
- 1.25.2 Operation mode switching and function description.
- 1.25.3 Energy storage device description and warranty mileage.
- 1.25.4 Electrical power and mechanic system.
- 1.25.5 Control unit.
- 1.25.6 Power Control Unit.
- 1.25.7 Pure electrical maximum driving mileage.
- 1.25.8 Suggestion items from vehicle manufacturer.

1.26 The application forms and attached documents shall conform to the requirements of electronic process procedures by providing electronic files.

2. Other binding matters:

If the applicant is not a domestic vehicle manufacturer, nor a local agent authorized by foreign vehicle manufacturer, the application documents shall be filed based on the owner's manual, technical manual, or product catalog of the original manufacturer and the original owner's manual or product catalog shall be attached for the application. If the previous mentioned manual or catalog cannot be obtained the attachment shall be remarked as N/A. However, the application of engine family is limited to the same vehicle model. Relevant emissions testing shall be performed by the accredited testing laboratories designated by the central competent authority, the provision of certificate extension is not applicable in this case.

3. The applicant shall fill out the following forms:

一般資料
GENERAL INFORMATION

表 A
Table A

- 01.車輛製造者
Manufacturer : _____
國內授權代理人
Authorized Representative : _____
- 02.廠牌
Make : _____
- 03.引擎族
Engine family : _____
- 04.車型年
Model year : _____
- 05.製造/進口地區（依據海關核發之進口證明）
Manufacturing/import area : _____
(According to the import certificate by the Customs)
- 06.審驗合格證明請核發給下述公司(公司地址)
The Certificate of Conformity should be issued to the : _____
following company (full address)
- 07.業者連絡人之姓名、地址及電話號碼(含國內及國外連絡人)
Contact Name, Address and Telephone number for all contacts (inside and outside : _____
Taiwan R.O.C.)

備註

Remarks

引擎族之命名應以車型年為結尾(例G...-98)，辨識號碼不得超過12個位數，第一個字母應為燃料種類G=gasoline，D=diesel，L=LPG

The engine family designation must end with the model year of the original application (e.g. G...-98). No more than 12 characters may be used for the identification code. The first position should indicate type of fuel

G=gasoline, D=diesel, L=LPG

附加資料
ADDITIONAL INFORMATION

表 B
Table B

車輛組成型態 Vehicle configuration	蒸發族 Evaporative Family	OBD族 OBD Family	車型銷售名稱 Vehicle models Sales designation	製造 地區	進口 地區	引擎最大功率 Maximum engine power			引擎最大扭矩 Maximum engine torque		
						kW	rpm	測試方法 Meas. method	Nm	rpm	測試方法 Meas. method

引擎族所屬之車輛組成型態

VEHICLE CONFIGURATIONS WITHIN THE ENGINE FAMILY

表 C

Table C

排放控制系統名稱

Emission control system designation

車輛組成型態 Vehicle configuration	車型銷售名稱 Vehicle models Sales designation	車型分類 Vehicle Category	基本引擎名稱 Basic engine designation	排放控制系統名稱 Emission control system designation	變速系統名稱 Transmission system designation	參考重量 Reference mass(kg)

備註：

排放控制系統之辨識名稱請使用下列縮寫：

PMP =空氣噴射之空泵(Air pump for air injection)

PLS =脈衝空氣噴射系統(Pulsating air injection system)

EGR =廢氣再循環(Exhaust Gas Recirculation)

THM=熱反應器(Thermal Reactor))

OXD=氧化觸媒轉化器(Oxidation Catalyst)

RED =還原觸媒轉化器(Reduction Catalyst)

3WY =三元觸媒轉化器(Three-Way Catalyst)

3CL =三元觸媒轉化器、閉迴路(Three-Way Catalyst, Closed Loop)

CAN =活性碳罐(Charcoal Canister)

RET ="延遲系統(如：緩衝器、進氣門開啟器等)

(Retardation system (e. g. dashpot, throttle opener etc.))"

GPF =汽油引擎濾煙器 (Gasoline Particulate Filter)

OTR =其他裝置(Other devices)

基本引擎資料
BASIC ENGINE DATA

表 D
Table D

01.	基本引擎名稱 Basic engine designation	_____
02.	點火方式(PI/CI) <u>Ignition method(Positive Ignition, PI ; Compression Ignition, CI)</u>	_____
03.	燃燒循環(例：2/4行程) Combustion cycle (e.g. 2/4 stroke)	_____
04.	冷卻系統型式(例：氣冷、水冷) Type of cooling system (e.g.air, liquid)	_____
05.	氣缸體型式(例：60°V,L) Cylinder block configuration (e.g. 60°V, L)	_____
06.	氣缸數 Number of cylinders	_____
07.	每一氣缸之氣閥數目，進氣/排氣 Number of valves per cylinder, intake/exhaust	_____
08.	氣缸孔徑(mm) Bore (mm)	_____
09.	衝程(mm) Stroke (mm)	_____
10.	排氣量(cm ³) Displacement (cm ³)	_____
11.	壓縮比(註明公差值) Compression ratio (Specify the tolerance.)	_____
12.	燃料供應方式(例：化油器、間接噴射、直接噴射) Type of fuel supply (e.g. Carburetor, Indirect injection, Direct injection)	_____
13.	車輛燃料型式(例：單燃料、雙燃料、彈性燃料) Vehicle fuel type(e.g. Mono fuel、Bi fuel、Flex fuel)	_____
14.	供氣方式(例：自然供氣/增壓器供氣) Method of air aspiration (e.g. natural/supercharged)	_____
15.	內部冷卻器 Intercooler usage	<input type="checkbox"/> Yes <input type="checkbox"/> No
16.	閥門正時(曲軸角度) Valve timing (crankshaft degrees)	_____
	.01.開啟：進氣/排氣 opening：Intake/Exhaust	_____
	.02.關閉：進氣/排氣 Closing：Intake/Exhaust	_____
	.03.最大升程(mm) Maximum lift (mm)	_____
17.	點火正時 Ignition timing	_____
18.	正常引擎怠轉速度(註明公差值) Normal engine idling speed(Specify the tolerance)	_____
19.	高引擎怠轉速度(註明公差值) High engine idling speed(Specify the tolerance)	_____

備註

Remark

每一基本引擎應個別填報

Separate forms are required for each basic engine

變速系統資料

TRANSMISSION SYSTEM INFORMATION

表 E
Table E

01.	變速系統名稱 Transmission system designation	_____
02.	齒輪箱型式 (例：手排檔／自動排檔／無段變速等) Type of gearbox (e.g. : manual/automatic/CVT)	_____
03.	前進檔數 Number of forward gears	_____
04.	驅動輪 (例：前輪、後輪、恆定4輪／非恆定4輪) Driven wheels (e.g. front, rear, 4WD-permanent/on-demand)	_____
05.	輪胎尺寸及建議輪胎氣壓 Tire sizes and Recommended tire pressure	_____
	.01.標準裝備standard :	前輪 Front 後輪 Rear
	.02.選擇裝備optional	前輪 Front 後輪 Rear
06.	最後驅動比 Final drive ratio	_____
07.	齒輪比 Gear ratios	_____
08.	標準輪胎配備，在一定引擎轉速(如1000 rpm)時各檔位之車輛速度(車速偏差 不超過±8%時，可視為同一車輛型態) (A deviation of max. ±8% is permitted for vehicles to be classified within the same vehicle configuration)	_____

備註

Remark

每一變速系統應個別填報。

Separate forms are required for each transmission system.

排放控制系統說明

DESCRIPTION OF THE EMISSION CONTROL SYSTEM

表 F

Table F

01.	排放控制系統名稱 Emission control system designation	_____
02.	燃料及空氣供應系統 Fuel and air supply system 01-廠牌、型式名稱、構造及說明 Make and type designation, Configuration and method of operation	_____
03.	點火系統 Ignition system 01-廠牌、型式名稱、構造及說明 Make and type designation, Configuration and method of operation	_____
04.	<u>空氣污染防治設備 Measures taken against air pollution</u> 01. <u>電子控制單元 Electronic Control Unit</u> A-廠牌、構造及說明 Make, Description and drawings B-零件/辨識碼 Type / Identifying part number	_____ _____
	02. <u>觸媒轉化器 Catalytic converter</u> 觸媒轉化器數量 Number of catalytic converters and elements A-廠牌、構造及說明 Make, Description and drawings B-零件/辨識碼 Type / Identifying part number	_____ _____
	03. <u>含氧量感知器 Oxygen sensor</u> A-廠牌、構造及說明 Make, Description and drawings B-零件/辨識碼 Type / Identifying part number	_____ _____
	04. <u>二次空氣供給泵 Secondary air injection system (if applicable)</u> A-廠牌、構造及說明 Make, Description and drawings B-零件/辨識碼 Type / Identifying part number	_____ _____
	05. <u>排氣再循環系統 Exhaust gas recirculation (if applicable)</u> A-廠牌、構造及說明 Make, Description and drawings B-零件/辨識碼 Type / Identifying part number	_____ _____
	06. <u>蒸氣排放控制系統 Evaporative emission control system</u> 活性碳乾重 Mass of dry charcoal A-廠牌、構造及說明 Make, Description and drawings B-零件/辨識碼 Type / Identifying part number	_____ _____
	07. <u>曲軸箱排放控制系統 Crankcase emission control system</u> A-廠牌、構造及說明 Make, Description and drawings B-零件/辨識碼 Type / Identifying part number	_____ _____
	08. <u>其他污染控制元件 Additional anti-pollution devices</u>	_____

備註

Remark

每一排放控制系統應個別填報。

Separate forms are required for each emission control system.

車上排放控制系統零件位置
LOCATIONS OF THE EMISSION CONTROL COMPONENTS
IN THE VEHICLE

表 G
Table G

01. 以相片或其他方式顯示排放控制零件於車上之位置
Photograph or equivalent showing the location of the emission control components in the vehicle
該相片之顯著位置應註明車輛組成型態名稱及排放控制系統項目。該零件應以文字或數字作記號且已記載於零件辨識清冊上。
The photograph shall have a heading stating which vehicle configurations(s) and emission control system it describes. The components shall be marked by using a number or letter that shall be found in the part identification list.
如電子控制單元等無法裝置於引擎室之零件，其位置亦應指明。
The location of components such as e.g. an electronic control unit, which might not be located in the engine compartment, must also be indicated.
02. 零件辨識清冊(量產零件)。於表 F 上所載之排放相關零件名稱、料號或辨識號碼均應在此清冊上。
Part identification list (production units). Each emission related component described in annex F must be identified with the name and the identification code that can be found on the component.
該項資料應依 01.項之規定包含數字或文字，且每一零件之位置皆能由相片辨認。
The information shall also include the numbers or letters, required according to item 01., whereby the location of each components can be identified on the photograph.

備註

Remark

每一排放控制系統應個別填報。

Separate forms are required for each emission control system

提供車主之排放相關手冊

EMISSION RELATED INSTRUCTIONS TO THE VEHICLE OWNER

表 H

Table H

01.依本辦法規定欲附貼引擎室內之中文標識影本。

Copy of the label (in Chinese) to be affixed in the engine compartment according to this regulation

02.中文版之車主手冊資訊

Copy of the owner's handbook in Chinese

01.車輛使用之燃油說明

Fuel type and Octane number

02.廢氣排放保證項目、時程/里程

Warranty items, duration/mileage

03.保養與維修項目、時程/里程

Time interval/mileage for maintenance and repair items

04.售後服務單位(如：保養、服務、維修…廠(站))之地址及電話

Maintenance/repair shop address and telephone number

備註

Remark

項目標識之記載項目應容易辨認該車裝有那些排放控制裝置(如自排：三元觸媒轉化器、其他裝置、碳罐；手排：三元觸媒轉化器、碳罐或每一排放控制之組合有一張標識)。

Item, the label should preferably include information whereby the correct combination of emission control devices on a certain vehicle can be identified (e.g. automatic: 3CL OTR CAN, manual: 3CL CAN or alternatively one label for each combination of emission control devices).

車主手冊中，有關排放控制系統有效使用期限及保證期限內，下列項目不需調整、清潔、修理或更換，仍能符合排放標準：曲軸箱通氣閥、排氣相關管線、高壓點火線路、觸媒轉化器、廢氣再循環系統(包含相關之過濾器及控制閥)、空氣噴射系統及零件、燃料噴射器及燃料供應系統、引擎電子控制單元及相關偵測器(包含氧氣偵測器及驅動器)、蒸發排放罐、活性炭罐及其控制裝置、渦輪增壓器。

In the vehicle owner's manual about the related exhaust emissions control system that still within the validation period and warranty limits, the following listed items need not to be adjusted, cleaned, repaired or changed to comply with the emission standards. The listed items are: Crankcase vent valve; Exhaust related pipes; High voltage ignition circuits; Catalyst converters; Exhaust gas re-circulation system (includes filter, control valve, air injection system and related parts); Fuel injectors and fuel supply system; Engine control units and related sensors (includes oxygen sensors and actuators); Evaporative emission control system (includes purge tank, charcoal canister and control units); and Turbo chargers.

劣化係數
DETERIORATION FACTORS

表 I
Table I

01. 車輛組成型態
Vehicle configuration(s)

02. 廢氣排放測試
Exhaust emission test
01.採用方式 Methods

☐ 耐久試驗 Calculated ☐ 採用指定劣化係數 Assigned
☐ 整車測試 Whole vehicle test ☐ 元件劣化 Bench aging test

02.耐久測試方式 Durability test

Df	CO	
	NMHC	
	THC	
	NO _x	
	PM	
	<u>PN</u>	

03. HC 蒸發排放測試
HC Evaporative test, if applicable

01. 採用方式 Methods ☐ 耐久試驗 Calculated

☐ 採用指定劣化係數 Assigned

02.耐久測試方式 Durability test ☐ 整車測試 Whole vehicle test

☐ 元件劣化 Bench aging test
☐ 油箱系統劣化 Fuel system aging

Df	(g/test)
<u>Pf</u>	(g/test)

04. 進化係數
Evolution Coefficient

<u>測試報告編號</u> Test report number	<u>車輛組成型態及測試車輛車型</u> Vehicle configuration and type of test vehicle	<u>CO</u>	<u>NMHC</u>	<u>THC</u>	<u>NO_x</u>	<u>PM</u>	<u>PN</u>

動力計設定
DYNAMOMETER SETTING

表 J
Table J

01. 80km/h之路阻(於85-75 km/h之滑行測試時間)
Road resistance at 80 km/h (coast-down time 85-75 km/h)

車輛組成型態 及車型名稱 Vehicle configuration and vehicle model	方法 Method	路阻(N) Road resistance	動力計設定 Dynamometer setting				
			$F = F_0 + F_1 * V + F_2 * V^2$			等值慣性 質量 Inertia (kg)	滑行時間 Coast-down time (s)
			F_0	F_1	F_2		

採用方式：

Methods：

(a) 滑行試驗

Driving resistance variation during coast-down

(b) 定速扭矩測試法

Torque measurement method at constant speed

(c) 替代方法－採用表列數值

Alternative method-table values

(d) 經中央主管機關同意之其他方法（日期

Other method approved by the EPA (date

)

)

測試報告及數據摘要

表 K

(適用符合汽油汽車一百零一年十月一日施行之排放標準者) Table K

TEST REPORT AND DATA SUMMARY

(Applicable for gasoline vehicles comply with the Emission Standards effective on Oct. 1, 2012)

01. 行車型態排放數據

Emission data

測試報告編號 Test report number	車輛組成型態及 測試車輛車型 Vehicle configuration and type of test vehicle	劣化處理後排放測試結果 Emission test results including DF				
		CO (g/km)	NMHC (g/km)	THC (g/km)	NOx (g/km)	PM (g/km)
標準值Standards						

02. 怠轉狀態測定

Idle test

測試報告編號 Test report number	車輛組成型態及 測試車輛車型 Vehicle configuration and type of test vehicle	正常引擎怠轉測試結果 (Normal Idle test)			高引擎怠轉測試結果 (High engine Idle test)		
		引擎轉速 (rpm)	CO (%)	HC (ppm)	引擎轉速 (rpm)	CO (%)	Lambda
標準值Standards							

03. 曲軸箱吹漏氣測試

Crankcase Test

測試報告編號 Test report number	車輛組成型態及測試車輛車型 Vehicle configuration and type of test vehicle	測試結果 Test result
標準值Standards		

測試報告及數據摘要

表 K

(適用符合汽油汽車一百零八年九月一日施行之排放標準者) Table K

TEST REPORT AND DATA SUMMARY

(Applicable for gasoline vehicles comply with the emission standards effective on September 1, 2019)

01. 行車型態排放數據

Driving Cycle Emission Data

測試報告編號 Test report number	車輛組成型態及 測試車輛車型 Vehicle configuration and type of test vehicle	劣化處理後排放測試結果 Emission test results including DF					
		CO (mg/km)	NMHC (mg/km)	THC (mg/km)	NOx (mg/km)	PM (mg/km)	PN (#/km)
標準值Standards							

02. 怠轉狀態測定

Idle test

測試報告編號 Test report number	車輛組成型態及 測試車輛車型 Vehicle configuration and type of test vehicle	正常引擎怠轉測試結果 (Normal Idle test)			高引擎怠轉測試結果 (High engine Idle test)		
		引擎轉速 (rpm)	CO (%)	HC (ppm)	引擎轉速 (rpm)	CO (%)	Lambda
標準值Standards							

03. 曲軸箱吹漏氣測試

Crankcase Test

測試報告編號 Test report number	車輛組成型態及測試車輛車型 Vehicle configuration and type of test vehicle	測試結果 Test result
標準值Standards		

測試報告及數據摘要(續)

表 K

(適用符合汽油汽車一百零一年十月一日施行之排放標準者) Table K

TEST REPORT AND DATA SUMMARY (Cont) (Applicable for gasoline vehicles comply with the emission standards effective on Oct. 1, 2012)

04. 油箱、化油器蒸發氣測試

Evaporative Emissions Test

測試報告 編號 Test report number	車輛組成型態及測試 車輛車型 Vehicle configuration and type of test vehicle	測試車輛 油箱容量 (L) Tank capacity	測試結果 Test result			
			熱靜置 (Hot Soak)	日間蒸發 (Diurnal)	劣化係數 (Df)	總和 (Total)
標準值Standards						

05. 車上診斷系統測試數據

OBD Test

車輛組成型態及測試車輛 車型 Vehicle configuration and type of test vehicle									
測試報告 編號 Test report number	測試 項目 Test item	故障模擬排放測試結果 Fault Simulation Test Results					故障碼 Trouble Code	故障 指示燈 是否亮起 MIL on?	測試結果是 否須劣化 Deteriorated?
		CO (g/km)	NMHC (g/km)	THC (g/km)	NOx (g/km)	PM (g/km)			
門檻值 threshold									

06. 測試數據

Test data

依本辦法規定所選擇之測試車輛之測試報告應包含下列資料

For each emission test vehicle, selected in accordance with the Regulation, the manufacturer shall present a test report containing the following information:

— 測試編號及測試日期

— Test number and test data

— 測試車輛辨識(車輛組成型態、測試車輛編號、車身號碼、引擎號碼、系統公里數、里程數)

Test vehicle identification (vehicle configuration, test vehicle number, chassis number, engine number, system km, odometer reading)

— 引擎中排放相關零件之設定

Setting of the emission related components of the engine

— 怠轉測試結果

Idle test results

— 預先調整方式

Pre-conditioning method

— 變速裝置之使用(變檔時機)

Use of transmission (gear shifting points)

— 測試狀況(慣量、路阻、胎壓)

Test conditions (inertia, road resistance, tire pressure)

— 測試周圍之環境(大氣壓力、溫度、溼度等)

Ambient conditions (atmospheric pressure, temperature, humidity etc.)

— 行車型態測試結果

Driving cycle test results

— 蒸發排放測試結果

Evaporative emissions test results

測試報告及數據摘要(續)

表 K

(適用符合汽油汽車一百零八年九月一日施行之排放標準者) Table K

TEST REPORT AND DATA SUMMARY (Cont) (Applicable for gasoline vehicles comply with the emission standards effective on September 1, 2019)

04. 油箱、化油器蒸發氣測試

Evaporation Emissions Test

測試報告 編號 Test report number	車輛組成型態及測試車 輛車型 Vehicle configuration and type of test vehicle	測試車輛 油箱容量 (L) Tank capacity	測試結果 Test result			
			熱靜置 (Hot Soak)	日間蒸發 (Diurnal)	劣化係數 (Df+Pf)	總和 (Total)
標準值Standards						

05. 車上診斷系統測試數據

OBD Test

車輛組成型態及測試 車輛車型 Vehicle configuration and type of test vehicle										
測試報告 編號 Test report number	測試 項目 Test item	故障模擬排放測試結果 Fault Simulation Test Results						故障碼 Trouble Code	故障 指示燈 是否亮起 MIL on?	測試結果是 否須劣化 Deteriorated?
		CO (mg/km)	NMHC (mg/km)	THC (mg/km)	NOx (mg/km)	PM (mg/km)	PN (#/km)			
門檻值 threshold										

06. 測試數據

Test data

依本辦法規定所選擇之測試車輛之測試報告應包含下列資料

For each emission test vehicle, selected in accordance with the Regulation, the manufacturer shall present a test report containing the following information:

— 測試編號及測試日期

— Test number and test data

— 測試車輛辨識(車輛組成型態、測試車輛編號、車身號碼、引擎號碼、系統公里數、里程數)

Test vehicle identification (vehicle configuration, test vehicle number, chassis number, engine number, system km, odometer reading)

— 引擎中排放相關零件之設定

Engine setting of emission related components

— 怠轉測試結果

Idle test results

— 預先調整方式

Pre-conditioning method

— 變速裝置之使用(變檔時機)

Use of transmission (gear shifting points)

— 測試狀況(慣量、路阻、胎壓)

Test conditions (inertia, road resistance, tire pressure, tire make)

— 測試周圍之環境(大氣壓力、溫度、溼度等)

Ambient conditions (atmospheric pressure, temperature, humidity etc.)

— 行車型態測試結果

Driving cycle test results

— 蒸發排放測試結果

Evaporative emissions test results

修正項目目錄
REVISION INDEX

表 L
Table L

修正編號 Revision number	修正日期 Revision date	附件／頁數 Annex/Page(s) affected	說明修正內容 Description of revision