



# 測試報告



委測案號：12091001B

簽發日期：Sep. 20, 2012

委測廠商：田霖企業股份有限公司

地 址：臺南市永康區中正一街 32 巷 30 號

產品名稱：車 輪

型 號：TENY 700C ROAD BIKE WHEELSET

測試規範：EN 14764 : 2005 City and trekking bicycles – Safety requirements and test methods, Annex D Wheel/tyre assembly - Fatigue test .

- 註：(1)上項產品經本實驗室測試，結果詳如內頁。  
 (2)本報告僅對送測樣品負責，不作為訴訟用途。  
 (3)本報告內頁共 3 頁，不可摘錄及分離複製。

報告簽署人：薛慶川

測試者：鄭力維





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### 一、測試項目：車輪動態測試

二、測試標準：EN 14764 : 2005 City and trekking bicycles – Safety requirements and test methods, Annex D Wheel/tyre assembly - Fatigue test.

### 三、使用設備：路況模擬測試機(D4)

#### 四、測試方法：

4.1 組合車輪、車胎及內襯帶並將輪胎充氣至最大胎壓的 80%，  
固定車輪/輪胎組合使其與下方之滾輪軸心相對，於測試車  
輪/輪胎組合軸上施加 640 N 之力。

4.2 滾輪直徑 760 mm 並且於其上每 400 mm 安裝一跳塊，跳塊  
寬度需為  $50 \pm 2.5$  mm，厚  $10 \pm 0.25$  mm，且其厚度一半需  
具  $45^\circ$  測試示意圖如圖 A 所示。測試跳塊為六塊。

4.3 滾輪轉動表面切線速率 25 km/h，施於輪胎 750,000 次衝擊。

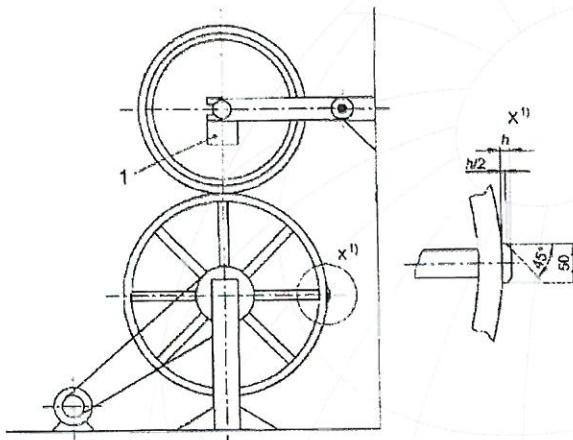


圖 A 測試示意圖





CHC

財團法人自行車暨健康科技工業研究發展中心  
Cycling & Health Tech Industry R&D Center

407台中市台中工業區37路17號  
17,37Rd.,Taichung Industry Park.  
407,Taichung, Taiwan

TEL : 886-4-23501100  
FAX:886-4-23502752  
<http://chctest.tbnet.org.tw>

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## 五、測試結果：

### 5.1 測試件接件時狀況：

測試件外觀正常無誤，如圖 1 所示。



圖 1 測試件接件時狀況

### 5.2 測試後狀況：

樣品經 750,000 次衝擊，車輪未產生明顯裂痕或損壞之情況，測試過程如圖 2 所示。



圖2 內胎疲勞測試

以下空白





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# Test Report



Contract No : 12091001B

Issue Date : Sep. 20, 2012

Applicant : TENY RIM ENTERPRISE CO., LTD.

Address : NO.30 LANE32 CHUNG-CHENG 1ST. YUNG  
KANG DIST. TAINAN CITY TAIWAN

Product : Wheel

Model No : TENY 700C ROAD BIKE WHEELSET

Test Method : EN 14764 : 2005 City and trekking bicycles –  
Safety requirements and test methods, Annex D  
Wheel/tyre assembly - Fatigue test .

Note: (1)The product is supplied by the applicant which has been tested by CHC and the test result is shown in this test report.

- (2)This test report is responsible only for the tested product, not for the suit.
- (3)This test report has 4 pages which shall not be abstracted and partial copied.
- (4)There is only one test report for the applicant.

Approved by :

Tested by :

FROM NO : RI20-03



**CHC**

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Contract No : 12091001B

1. Test item : Wheel dynamic test
2. Test standard : EN 14764 : 2005 City and trekking bicycles – Safety requirements and test methods, Annex D Wheel/tyre assembly - Fatigue test .
3. Test equipment : Route testing system (D4)
4. Test procedure :
  - 4.1 Assemble the wheel, tyre and inner tube(when fitted) and inflate the tyre to 80% of the maximum pressure.
  - 4.2 Load the radial force applied to the wheel/tyre assembly is 640 N.  
The wheel and drum axes vertically aligned is shown in Fig. A.
  - 4.3 The diameter of the drum is 760 mm, and the slats width 50 mm  $\pm 2.5$  mm, thickness 10 mm  $\pm 0.25$  mm, and have  $45^\circ$  chamfered edges of half their thickness. The circumferential spacing between the centerlines of the two consecutive slats not less than 400 mm.
  - 4.4 Rotate the drum to give a linear surface speed of 25 km/h for a period to provide 750,000 impacts between the tyre and the slats.





Contract No : 12091001B

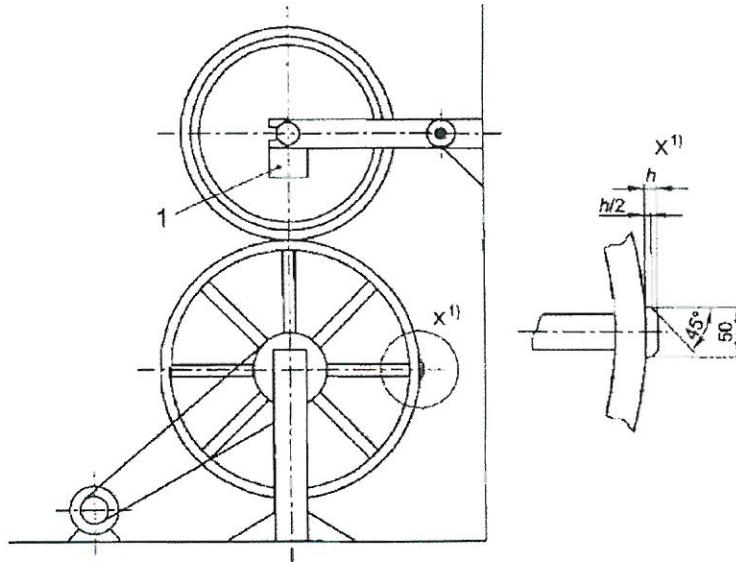


Fig. A Wheel dynamic test

## 5. Test Results :

### 5.1 Test sample :

As shown in Fig. 1, function of the sample is normal..

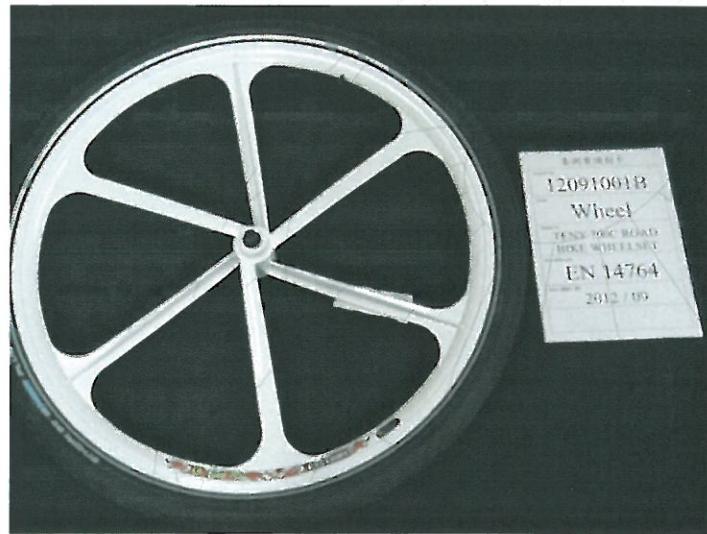


Fig. 1 Test sample





### 5.2 The condition after test:

After the test 750,000 cycles, there is no visible crack and fracture in the wheel/tyre assembly. The process of the test is shown in Fig. 2 .



Fig. 2 Wheel dynamic test .

Null below

