



Cycling and Health Tech Industry R&D Center, Testing Laboratory

No. 17, 37 Rd., Taichung Industry Park, Taichung, Taiwan, 40768

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Test Report

Contract No : 07102202-1

Issue Date : Nov. 29, 2007

Applicant : TMS Technology Precision CO., LTD.

Address: No. 259-6, Fuying Rd., Hsin Chuang City, Taipei Hsien
Taiwan, R.O.C.

Product: Front fork

Model : TM-1

Test Method : In-house test standard



- 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 3 pages which shall not be abstracted and partial copied.
- (4)There is only one test report for the applicant.

Approved by : *Shih chun*

Tested by : *chen*

FORM NO : RI 20-01



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

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1. Test item : Fatigue test with a vertical forces.

2. Test standard: In-house test standard.

3. Test equipment: Fatigue test system.(C7)

4. Test method(shown in Fig.1) :

Mount the front fork into the fixture and adjust the direction of applied force to be vertical(this fixture is made to be at 20 degree between front fork and applied force vertical direction). The front fork end is fixed on the actuator which applied force on the front fork end with a light roller in vertical direction. The applied cycling force is 0~+1.5KN and the cycle times should be above 100,000 times at the frequency of 3 Hz. After the test, there should be no crack or fracture on any parts of front fork. Please refer to figure 1 for this test method.

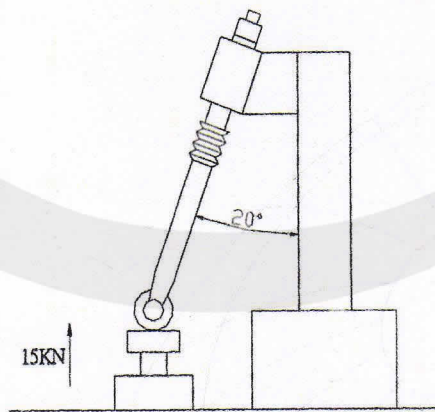


Fig 1 Fatigue test with a vertical forces

5. Test result:

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The tested fork has no crack or fracture by the test. (Fig.2).

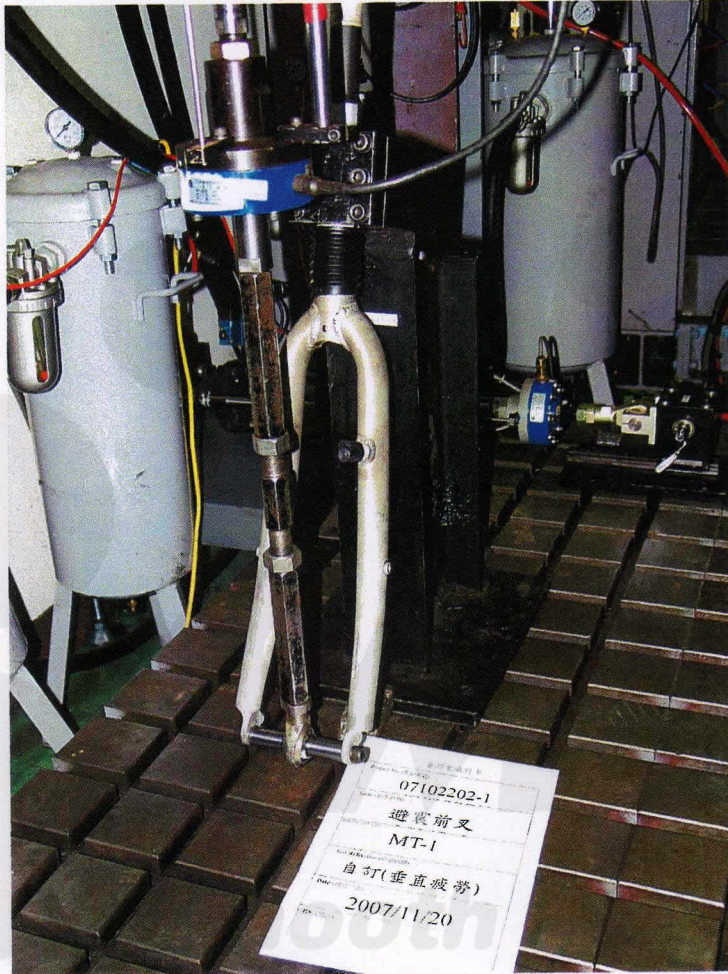


Fig. 2 Bending fatigue test

Null below