



Reliability Laboratory

# TEST REPORT

Report No.: HH50020/2014  
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Date: June 5, 2014

HORNCHE CORPORATION  
8 F-1, NO. 857, JING-GUO RD.,  
TAOYUAN CITY, TAIWAN

The following merchandise was submitted and identified by the vendor as:

<u>Product Description:</u>	Lubricator
<u>Style/Item No.:</u>	Easytube 150/ No.1, No.2; Easytube 250/ No.1, No.2
<u>Manufacturer/ Vendor:</u>	Hornche Corporation
<u>Country of Origin:</u>	Taiwan
<u>Quantity:</u>	Total 4 sets
<u>Testing Period:</u>	Jun. 3, 2014 to Jun. 4, 2014

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Required : (According to client's test specification, please see following sheets in detail.)

1. Random Vibration Test

Test Results : -PLEASE SEE ATTACHED SHEETS-

Signed for and on behalf of  
SGS TAIWAN Ltd.

Winson Tseng  
Asst. Manager

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### I. Random Vibration Test:

#### Test Equipment:

Name	Brand	Model	Serial No.
Vibration Test System	UNHOLTZ-DICKIE	SAI60-H560BAC/2/ST	474
Controller	Dactron	LASER	7110357
Control Accelerometer	PCB	353B34	143549

#### Lab Environmental Conditions:

Ambient temperature:  $(25 \pm 3) ^\circ\text{C}$

Ambient humidity:  $(55 \pm 20) \% \text{RH}$

#### Test Method/ Specification:

Sample Condition: Unpackaged

Wave form: Random

Frequency: (10~200) Hz

Frequency (Hz)	Left Slope (dB/Oct.)	PSD ( $\text{g}^2/\text{Hz}$ )	Right Slope (dB/Oct.)
10	-	0.064	0
100	0	0.064	-6
200	-6	0.016	-

⇨ equivalent to 3.0 Grms

Direction: X, Y, Z axes (See photo 3 ~ 5)

Duration: 1 hour/ axis

- Examine the appearance of specimen(s) by visual check after this test.

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Specimen:

Style/ Item No. : Easylube 150/ No.1, No.2;

Easylube 250/ No.1, No.2

Quantity : Total 4 sets

Test Result:

Style/ Item No	Check Item	Appearance check (Visual check)
Easylube 150/ No.1		No visible damage
Easylube 150/ No.2		No visible damage
Easylube 250/ No.1		No visible damage
Easylube 250/ No.2		No visible damage

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Test Photos:



1. Appearance of specimen:  
Easylube 150

2. Appearance of specimen:  
Easylube 250

3. Random Vibration Test--X axis

4. Random Vibration Test--Y axis

5. Random Vibration Test--Z axis

— — — The End of Test Report — — —

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