

Test Report

No.: GZHG1301000255HM

Date: Jan. 17, 2013

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ZHEJIANG JIXIANG MOTORCYCLE FITTINGS CO., LTD
NO.18 QINGSHENGTANG, LANXI ECONOMIC DEVELOPMENT AREA, JINHUA CITY,
ZHEJIANG, CHINA 321100

The following sample(s) was / were submitted and identified on behalf of the client as:

Sample Description : MOTORCYCLE HELMET
Style / Item No. : JX-FF001
Size : 59cm-60cm
HPI : 53mm for DOT C
Manufacturer : ZHEJIANG JIXIANG MOTORCYCLE FITTINGS CO., LTD
Test Performed : FMVSS 218
Sample Receiving Date : Jan. 05, 2013
Test Performing Date : Jan. 05, 2013 To Jan. 16, 2013
Test Result(s) : For further details, please refer to the following page(s)

Signed for and on behalf of
SGS-CSTC Co., Ltd.


Jason Cheung
Approved Signatory

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Test Conducted: FMVSS 218 Motorcycle Helmets

Test results:

Clause	Test Method/Requirement	Result
5.1	Impact attenuation	---
	When an impact attenuation test is conducted in accordance with S7.1, all of the following requirements shall be met: (a) Peak accelerations shall not exceed 400g; (b) Accelerations in excess of 200g shall not exceed a cumulative duration of 2.0 milliseconds; and (c) Accelerations in excess of 150g shall not exceed a cumulative duration of 4.0 milliseconds.	Pass See annex 1
5.2	Penetration	---
	When a penetration test is conducted in accordance with S7.2, the striker shall not contact the surface of the test headform.	Pass
5.3	Retention system	---
5.3.1	When tested in accordance with S7.3: (a) The retention system or its components shall attain the loads specified without separation; and (b) The adjustable portion of the retention system test device shall not move more than 1 inch (2.5 cm) measured between preliminary and test load positions.	Pass See annex 2
	Where the retention system consists of components which can be independently fastened without securing the complete assembly, each such component shall independently meet the requirements of S5.3.1	N/A
5.4	Configuration	---
	Each helmet shall have a protective surface of continuous contour at all points on or above the test line described in S6.2.3. The helmet shall provide peripheral vision clearance of at least 105° to each side of the mid-sagittal plane, when the helmet is adjusted as specified in S6.3. The vertex of these angles, shown in Figure 3, shall be at the point on the anterior surface of the reference headform at the intersection of the mid-sagittal and basic planes. The brow opening of the helmet shall be at least 1 inch (2.5 cm) above all points in the basic plane that are within the angles of peripheral vision	Pass See annex 3
5.5	Projections	---
	A helmet shall not have any rigid projections inside its shell.	Pass
	Rigid projections outside any helmet's shell shall be limited to those required for operation of essential accessories, and shall not protrude more than 0.20 inch (5 mm).	Pass

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5.6	Labeling	---
5.6.1	Each helmet shall be labeled permanently and legibly, in a manner such that the label(s) can be read easily without removing padding or any other permanent part, with the following:	Pass
	(a) Manufacturer's name or identification	Pass
	(b) Precise model designation	Pass
	(c) Size	Pass
	(d) Month and year of manufacture. This may be spelled out (for example, June 1988), or expressed in numerals (for example, 6/88)	Pass
	(e) The symbol DOT, constituting the manufacturer's certification that the helmet conforms to the applicable Federal motor vehicle safety standards. This symbol shall appear on the outer surface, in a color that contrasts with the background, in letters at least 3/8 inch (1 cm) high, centered laterally with the horizontal centerline of the symbol located a minimum of 1 1/8 inches (2.9 cm) and a maximum of 1 3/8 inches (3.5 cm) from the bottom edge of the posterior portion of the helmet	Pass
	(f) Instructions to the purchaser as follows:	Pass
	(1) "Shell and liner constructed of (identify type(s) of materials)	Pass
	(2) "Helmet can be seriously damaged by some common substances without damage being visible to the user. Apply only the following: (Recommended cleaning agents, paints, adhesives, etc., as appropriate)	Pass
	(3) "Make no modifications. Fasten helmet securely. If helmet experiences a severe blow, return it to the manufacturer for inspection, or destroy it and replace it."	Pass
(4) Any additional relevant safety information should be applied at the time of purchase by means of an attached tag, brochure, or other suitable means	Pass	

Remark:

1. N/A means not applicable.
2. N/T means not tested as per client's request.

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Model: JX-FF001

Size: 59-60 cm

Headform: C DOT

HPI: 53 mm

Annex-1 Impact energy attenuation test:

Test Specification: FMVSS 218-7.1

Ambient temperature at time of test: 22 °C

Condition	Test Anvil	Test Site	Peak' G	Duration at 150 g(ms)	Duration at 200 g(ms)	Assessment
Ambient (Clause 6.4.1 a) No.1	Flat	Crown	160.8	2.07	0.00	Pass
			191.4	3.13	0.00	
	Flat	Left	170.5	3.35	0.00	Pass
			198.2	3.51	0.00	
	Hemi	Front	103.0	0.00	0.00	Pass
			125.3	0.00	0.00	
Hemi	Rear	91.8	0.00	0.00	Pass	
		125.3	0.00	0.00		
HOT (Clause 6.4.1 b) No.2	Flat	Front	165.7	1.39	0.00	Pass
			194.3	2.67	0.00	
	Flat	Rear	152.1	0.56	0.00	Pass
			195.8	3.45	0.00	
	Hemi	Crown	107.9	0.00	0.00	Pass
			113.7	0.00	0.00	
Hemi	Left	116.6	0.00	0.00	Pass	
		123.9	0.00	0.00		
Cold (Clause 6.4.1 c) No.3	Flat	Crown	176.4	1.22	0.00	Pass
			198.7	2.49	0.00	
	Flat	Left	188.5	2.85	0.00	Pass
			207.5	3.47	1.52	
	Hemi	Front	95.7	0.00	0.00	Pass
			110.3	0.00	0.00	
Hemi	Rear	96.7	0.00	0.00	Pass	
		153.5	0.67	0.00		
Wet (Clause 6.4.1 d) No.4	Flat	Front	165.7	1.53	0.00	Pass
			189.5	2.10	0.00	
	Flat	Rear	144.3	0.00	0.00	Pass
			156.4	1.42	0.00	
	Hemi	Crown	94.3	0.00	0.00	Pass
			117.6	0.00	0.00	
Hemi	Left	104.0	0.00	0.00	Pass	
		126.8	0.00	0.00		

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Annex-2 Retention system strength test results:

Test Specification: FMVSS 218-7.3

Ambient temperature at time of test: 22 °C

Condition	Max. extension (mm)	Assessment
Ambient (Clause 6.4.1 d) No.1	20.8	Pass
Hot (Clause 6.4.1 d) No.2	23.1	Pass
Cold (Clause 6.4.1 d) No. 3	20.2	Pass
Wet (Clause 6.4.1 d) No.4	23.8	Pass

Annex-3 Vision test result:

Head form: C DOT

Positioning Index: 53 mm

Peripheral vision: >105°

Brow opening: 52 mm

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PHOTO APPENDIX

<p>Front view</p>	
<p>Side view</p>	

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<p>Back view</p>	
<p>Top view</p>	

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Bottom view



Label



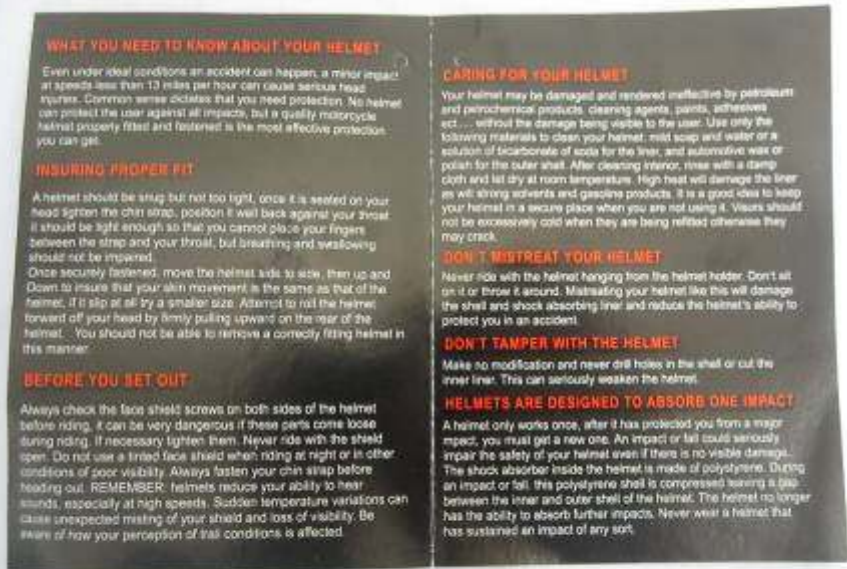

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<p>Label</p>	
<p>Instruction</p>	

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<p>Instruction</p>	
<p>Front test line for C DOT head form</p>	

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Side test line for C
DOT head form



Rear test line for C
DOT head form



End of Report

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