Test Report

Number: GZHT90306944(S1)

Applicant: NGEE MING SHOE MANUFACTURERS SDN.BHD.
LOT 25, INDUSTRIAL AREA, 43300
SERI KEMBANGAN, SELANGOR,
MALAYSIA
Attn: MISS LILIAN FONG

Date: Sep 15, 2012
THIS IS TO SUPERSEDE
REPORT NO. GZHT90306944
DATED AUG 14, 2012

Sample Description:
Four (4) groups of submitted sample said to be:
(A) Three (3) pairs of 1809A Men's leather safety boots in Brown with Black rubber outsole
(B) Black rubber outsole used for 1809A Men's leather safety boots
(C) One and a half (1.5) pairs of steel plates
(D) Black rubber sheets used for outsole of 1809A Men's leather safety boots.

Standard	:	--
Size	:	US 9#
Ref. No.	:	1809A, 1811H, 1811M
P.O. No.	:	--
Buyer's Name	:	OSCAR
Vendor	:	--
Supplier	:	--
Manufacturer	:	--
Ref.	:	--
Country Of Origin	:	--
Goods Exported To	:	MALAYSIA
Date Period Received	:	From Aug. 01, 2012 to Sep. 15, 2012
Date Test Started	:	Aug. 01, 2012

Test Result Please Refer To Attached Page(S).

Should you have any query on this report, you may contact at gzfootwear@intertek.com

Authorized By:
For Intertek Testing Services Shenzhen Ltd.

Huang Ning, Andy
Assistant General Manager

AZ/wynnzhang

Intertek Testing Services Shenzhen Ltd. Guangzhou GDD Brach
3/F., Hengyun Building, 235 Kaifa Ave., Guangzhou
Economic & Technological Development District, Guangzhou, China
深圳天祥质量技术服务有限公司广州开发区分公司
中国广州经济技术开发区开发大道 235 号恒运大厦 3 楼
Tel: (8620)2232 1668 / 8396 6868 Fax: (8620)8222 7490 Postcode:510730

Test Report

Number: GZHT90306944(S1)

Tests Conducted (As Requested By The Applicant)

1 Electric Shock Resistance For Whole Footwear (ASTM F 2412-2011)

	(A)	ASTM F 2413 Requirement	Pass/Fail
Without Disruptive Discharge To Ground With 1.5 Pairs Of Tested Samples, Leakage Current:			
Left :	0.30 mA	*	Pass
Right:	0.28 mA		
Right:	0.30 mA		

Remark:
* = Without Disruptive Discharge To Ground Under The Potential Of 18 kV 60 Hz AC For 1 Minute, Leakage Current: ≤ 1.0 mA.

2 Impact Resistance For Whole Footwear (ASTM F 2412-2011, I75)

	(A)	ASTM F 2413 Requirement	Pass/Fail
Left :	19.9 mm	≥ 12.7 mm	Pass
Left :	19.3 mm	≥ 12.7 mm	Pass
Right:	18.6 mm	≥ 12.7 mm	Pass

3 Compression Resistance For Whole Footwear (ASTM F 2412-2011, C75)

	(A)	ASTM F 2413 Requirement	Pass/Fail
Left :	21.2 mm	≥ 12.7 mm	Pass
Right:	19.1 mm	≥ 12.7 mm	Pass
Right:	20.0 mm	≥ 12.7 mm	Pass

4 Puncture Resistance For Puncture Resistant Devices (ASTM F 2412-2011)

	(C)	ASTM F 2413 Requirement	Pass/Fail
Left :	1200 N (#)	*	Pass
Left :	1200 N (#)	*	Pass
Right:	1200 N (#)	*	Pass

Remark :
* = The Test Pin Does Not Visually Penetrate Beyond The Face Of The Material Nearest The Foot After 1200 N.
# = The Test Pin Does Not Penetrate Beyond The Face Of The Material Nearest The Foot.

Intertek Testing Services Shenzhen Ltd. Guangzhou GDD Brach
3/F., Hengyun Building, 235 Kaifa Ave., Guangzhou
Economic & Technological Development District, Guangzhou, China
深圳天祥质量技术服务有限公司广州开发区分公司
中国广州经济技术开发区开发大道 235 号恒运大厦 3 楼
Tel: (8620)2232 1668 / 8396 6868 Fax: (8620)8222 7490 Postcode:510730

Tests Conducted (As Requested By The Applicant)

5 Oil Resistance (ASTM D471-2010, IRM 903#Oil, 22 Hours, 23℃):

	(A)	Applicant's Requirement	Pass/Fail
Volume Swell:	4.3 %	Max. 12%	Pass

6 Slip Resistance (ASTM F2913-2011, Clay Tile Surface, Vertical Force: 500 N, 23℃, 50 % R.H.):

	(A)	Suggestion Requirement	Pass/Fail
Quarry Tile:			
Forepart Dry:	0.96	Min. 0.30	Pass
Forepart Wet:	0.46		
Heelpart Dry:	0.97		
Heelpart Wet:	0.47		

Note:
It Must Be Noted That The Slip Resistance Test Carried Out In This Report Denotes An Indication Of Slip Of This Particular Footwear/Component On The Surface Mentioned In The Test Item. It Is Important To Note That Footwear Is Subject To Many Different Conditions Encountered In Everyday Use And That It Is Impossible To Make Footwear Resistant To Slip In All Conditions. Nevertheless, It Is Generally Accepted That Problems Are Minimized If The Guideline Coefficients Of Friction Are Achieved.

7 Abrasion Resistance (ASTM D 1630-2006,NBS Abrader):

(B)	Requirement	Pass/Fail
114.0%	-	-

8 Non-Marking Test (ASTM E 303-1993(2008),PVC Surface)

	(B)	Requirement	Pass/Fail
Color Transfer:	4.5 Grade	-	-

Intertek Testing Services Shenzhen Ltd. Guangzhou GDD Brach
3/F., Hengyun Building, 235 Kaifa Ave., Guangzhou
Economic & Technological Development District, Guangzhou, China
深圳天祥质量技术服务有限公司广州开发区分公司
中国广州经济技术开发区开发大道 235 号恒运大厦 3 楼
Tel: (8620)2232 1668 / 8396 6868 Fax: (8620)8222 7490 Postcode:510730

Tests Conducted (As Requested By The Applicant)

9 Footwear Protecting Against Chemicals (Sole)(BS EN 13832-2:2006(E), 6.2)

	(B)	Applicant's Requirement	Pass/Fail
Sample 1			
Chemical Used:	Acetone (Letter Code: B)		
Tear Resistance:			
Before Degradation:	24.0 kN/m	Min. 8.0 kN/m	Pass
After Degradation:	26.0 kN/m	Min. 6.4 kN/m	
Hardness:			
Before Degradation:	68 Shore A	Min. 30 Shore A	
After Degradation:	70 Shore A	Min. 30 Shore A Max.: *	
Sample 2:			
Chemical Used:	Toluene (Letter Code: F)		
Tear Resistance:			
Before Degradation:	24.0 kN/m	Min. 8.0 kN/m	Pass
After Degradation:	26.5 kN/m	Min. 6.4 kN/m	
Hardness:			
Before Degradation:	68 Shore A	Min. 30 Shore A	
After Degradation:	74 Shore A	Min. 30 Shore A Max. : *	

Remark: * = Value Before Degradation +10 Shore A.

Intertek Testing Services Shenzhen Ltd. Guangzhou GDD Brach
3/F., Hengyun Building, 235 Kaifa Ave., Guangzhou
Economic & Technological Development District, Guangzhou, China
深圳天祥质量技术服务有限公司广州开发区分公司
中国广州经济技术开发区开发大道 235 号恒运大厦 3 楼
Tel: (8620)2232 1668 / 8396 6868 Fax: (8620)8222 7490 Postcode:510730

Tests Conducted (As Requested By The Applicant)

Footwear Protecting Against Chemicals (Sole)(BS EN 13832-2:2006(E) 6.2):

		Applicant's Requirement	Pass/Fail
Sample 3			
Chemical Used:	N-Heptane (Letter Code: J)		
Tear Resistance:			
Before Degradation:			
	24.0 kN/m	Min. 8.0 kN/m	Pass
After Degradation:			
	26.2 kN/m	Min. 6.4 kN/m	
Hardness:			
Before Degradation:			
	69 Shore A	Min. 30 Shore A	
After Degradation:			
	65 Shore A	Min. 30 Shore A Max. : *	
Sample 4:			
Chemical Used:	Sodium Hydroxide (13 ± 1)% (Of Active Chloride) (Letter Code: R)		
Tear Resistance:			
Before Degradation:			
	24.0 kN/m	Min. 8.0 kN/m	Pass
After Degradation:			
	29.1 kN/m	Min. 6.4 kN/m	
Hardness:			
Before Degradation:			
	70 Shore A	Min. 30 Shore A	
After Degradation:			
	63 Shore A	Min. 30 Shore A Max. : *	

Remark: * = Value Before Degradation +10 Shore A.

Intertek Testing Services Shenzhen Ltd. Guangzhou GDD Brach
3/F., Hengyun Building, 235 Kaifa Ave., Guangzhou
Economic & Technological Development District, Guangzhou, China
深圳天祥质量技术服务有限公司广州开发区分公司
中国广州经济技术开发区开发大道 235 号恒运大厦 3 楼
Tel: (8620)2232 1668 / 8396 6868 Fax: (8620)8222 7490 Postcode:510730

Test Report

Number: GZHT90306944(S1)

Tests Conducted (As Requested By The Applicant)

Footwear Protecting Against Chemicals (Sole)(BS EN 13832-2:2006(E) 6.2):

		Applicant's Requirement	Pass/Fail
Sample 5			
Chemical Used:	Ammonia Solution (25 ± 1)% (Letter Code: O)		
Tear Resistance:			
Before Degradation:	24.0 kN/m	Min. 8.0 kN/m	Pass
After Degradation:	25.6 kN/m	Min. 6.4 kN/m	
Hardness:			
Before Degradation:	70 Shore A	Min. 30 Shore A	
After Degradation:	59 Shore A	Min. 30 Shore A Max. : *	

Remark: * = Value Before Degradation +10 Shore A.

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct.

Intertek Testing Services Shenzhen Ltd. Guangzhou GDD Brach
3/F., Hengyun Building, 235 Kaifa Ave., Guangzhou
Economic & Technological Development District, Guangzhou, China
深圳天祥质量技术服务有限公司广州开发区分公司
中国广州经济技术开发区开发大道 235 号恒运大厦 3 楼
Tel: (8620)2232 1668 / 8396 6868 Fax: (8620)8222 7490 Postcode:510730

Tests Conducted (As Requested By The Applicant)

Intertek Testing Services Shenzhen Ltd. Guangzhou GDD Brach
3/F., Hengyun Building, 235 Kaifa Ave., Guangzhou
Economic & Technological Development District, Guangzhou, China
深圳天祥质量技术服务有限公司广州开发区分公司
中国广州经济技术开发区开发大道 235 号恒运大厦 3 楼
Tel: (8620)2232 1668 / 8396 6868 Fax: (8620)8222 7490 Postcode:510730

To : NGEE MING SHOE MANUFACTURERS SDN.BHD.
Attention : MISS LILIAN FONG Date : Sep 15, 2012

Re : Report Revision Notification

Labtest Report Number GZHT90306944 date AUG 14, 2012

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now superseded by a revised Labtest Report, Number GZHT90306944(S1) , issued on Sep 15, 2012 .

Thank you for your attention

Authorized By:
For Intertek Testing Services Shenzhen Ltd.

Huang Ning, Andy
Assistant General Manager

Intertek Testing Services Shenzhen Ltd. Guangzhou GDD Brach
3/F., Hengyun Building, 235 Kaifa Ave., Guangzhou
Economic & Technological Development District, Guangzhou, China
深圳天祥质量技术服务有限公司广州开发区分公司
中国广州经济技术开发区开发大道 235 号恒运大厦 3 楼
Tel: (8620)2232 1668 / 8396 6868 Fax: (8620)8222 7490 Postcode:510730