



INTERTEK TEST REPORT

Tom McGlynn
Winola Industrial
5790 Misleve Road
Factoryville, PA 18419
USA

Intertek Test Report Number: 103218967CRT-001
Intertek Signed Quote Number (s): Qu-00813599
Client Reference Number: 308612
Product Type: Ladder Pole
Product Models: HCL-PGE-2B
Type of Testing Entity: Third Party Testing Laboratory
Type of Testing: Qualification
Test Standard: ANSI/ASSE Z359.1-2007
Evaluation/Testing Location: Intertek, 3933 US Rte 11, Cortland NY 13045 **
Date(s) of Testing: 9/6/17

Dear Mr. McGlynn,

Intertek has completed the evaluation of your ladder model HCL-PGE-2B to the client specified sections of, American National Standard, Safety Requirements For Personal Fall Arrest Systems, Subsystems and Components, ANSI/ASSE Z359.1-2007. The results of these tests are as indicated below.

Table with 4 columns: Tests Completed, Test Date, ANSI/ASSE Z359.1-2007 Clause, Pass/Fail. Rows include Static Strength (Ladder Pole) and Static Strength (Welded Clip) both tested on 9/6/17 and passing.

Please see attached test data for details.

This test report concludes the work anticipated in the testing phase of your project. If there are any questions regarding this report please contact the undersigned at 607-753-6711.

Tested by,

[Signature of Matthew Stevens]

Matthew Stevens
Technician
Performance Group

Reviewed by,

[Signature of Andrew Rulison]

Andrew Rulison
Team Leader
Performance Group

** Intertek Laboratory is ISO/IEC 17025:2005 (CAN-P-4E) accredited by Standards Council of Canada (SCC) with the scope available for review at the following location: http://www.scc.ca/en/palcan/38

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

Intertek, Inc.

3933 US Route 11, Cortland, NY 13045 USA
Telephone: +1 607-753-6711 Fax: +1 607-756-9891 Web: www.intertek.com



INTERTEK TEST DATA SHEETS

Client/Ref #: <u>Winola Industrial</u>	Engineer: <u>Andrew Rulison</u>
Job No.: <u>G103218967</u>	Tested By: <u>Matthew Stevens</u> Date: <u>9/6/17</u>
Product: <u>Ladder Pole</u>	Reviewed By: <u>Andrew Rulison</u> Date: <u>9/7/17</u>
Model No.: <u>HCL-PGE-2B</u>	Standard: <u>ANSI/ASSE Z359.1-2007</u>

Sample Control No: Client brought samples 9/6/17 **TRANSCRIBED TEST DATA**

TEST EQUIPMENT							
Used for Test	Description	Manufacturer	Control No.	Model No.	Serial No.	Cal. Date	Cal. Due
X	Load Cell	Interface	M3797	NA	NA	2/20/17	2/20/18
X	Latest Standards Used:		ANSI/ASSE Z359.1-2007			Verified By:	MS

Paragraph	Test Description	Results	Pass/Fail												
4.3.6	Anchorage Connector Qualification Test (test section 4.3.6)														
4.3.6	<p>*Ladder Frame</p> <p>3,600 lbs-f & hold for 1-minute, then release load and reapply 5,000 lbs-f and hold for 1-minute</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Orientation</th> <th>Deformation (3600lbs)</th> <th>Breakage</th> </tr> </thead> <tbody> <tr><td align="center">1</td><td align="center">NO</td><td align="center">NO</td></tr> <tr><td align="center">1</td><td align="center">NO</td><td align="center">NO</td></tr> <tr><td align="center">1</td><td align="center">NO</td><td align="center">NO</td></tr> </tbody> </table> <p>Sample taken to breaking point on "Tie Off" anchor after testing. Broke @ 7853 lbs.</p>	Orientation	Deformation (3600lbs)	Breakage	1	NO	NO	1	NO	NO	1	NO	NO	PASS
Orientation	Deformation (3600lbs)	Breakage													
1	NO	NO													
1	NO	NO													
1	NO	NO													
4.3.6	<p>*Tie-Off Anchor Clip</p> <p>3,600 lbs-f & hold for 1-minute, then release load and reapply 5,000 lbs-f and hold for 1-minute</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Orientation</th> <th>Deformation (3600lbs)</th> <th>Breakage</th> </tr> </thead> <tbody> <tr><td align="center">2</td><td align="center">NO</td><td align="center">NO</td></tr> <tr><td align="center">2</td><td align="center">NO</td><td align="center">NO</td></tr> <tr><td align="center">2</td><td align="center">NO</td><td align="center">NO</td></tr> </tbody> </table> <p>Sample taken to breaking point on "Tie Off" anchor after testing. Broke @ 8133 lbs.</p>	Orientation	Deformation (3600lbs)	Breakage	2	NO	NO	2	NO	NO	2	NO	NO	PASS
Orientation	Deformation (3600lbs)	Breakage													
2	NO	NO													
2	NO	NO													
2	NO	NO													
4.3.6	<p>*Sample Tested with ½" Gap on Lower Clip per client request.</p> <p>3,600 lbs-f & hold for 1-minute, then release load and reapply 5,000 lbs-f and hold for 1-minute.</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Orientation</th> <th>Deformation (3600lbs)</th> <th>Breakage</th> </tr> </thead> <tbody> <tr><td align="center">1</td><td align="center">NO</td><td align="center">NO</td></tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Orientation</th> <th>Deformation (3600)</th> <th>Breakage</th> </tr> </thead> <tbody> <tr><td align="center">2</td><td align="center">NO</td><td align="center">NO</td></tr> </tbody> </table> <p>Sample taken to breaking point on "Tie Off" anchor after testing. Broke @ 8581 lbs.</p>	Orientation	Deformation (3600lbs)	Breakage	1	NO	NO	Orientation	Deformation (3600)	Breakage	2	NO	NO	
Orientation	Deformation (3600lbs)	Breakage													
1	NO	NO													
Orientation	Deformation (3600)	Breakage													
2	NO	NO													

Client/Ref #:	<u>Winola Industrial</u>	Engineer:	<u>Andrew Rulison</u>		
Job No.:	<u>G103218967</u>	Tested By:	<u>Matthew Stevens</u>	Date:	<u>9/6/17</u>
Product:	<u>Ladder Pole</u>	Reviewed By:	<u>Andrew Rulison</u>	Date:	<u>9/7/17</u>
Model No.:	<u>HCL-PGE-2B</u>	Standard:	<u>ANSI/ASSE Z359.1-2007</u>		

Sample Control No: Client brought samples 9/6/17 **TRANSCRIBED TEST DATA**

Orientation 1 (Around Frame)



INTERTEK TEST DATA SHEETS

Client/Ref #:	<u>Winola Industrial</u>	Engineer:	<u>Andrew Rulison</u>		
Job No.:	<u>G103218967</u>	Tested By:	<u>Matthew Stevens</u>	Date:	<u>9/6/17</u>
Product:	<u>Ladder Pole</u>	Reviewed By:	<u>Andrew Rulison</u>	Date:	<u>9/7/17</u>
Model No.:	<u>HCL-PGE-2B</u>	Standard:	<u>ANSI/ASSE Z359.1-2007</u>		

Sample Control No: Client brought samples 9/6/17 **TRANSCRIBED TEST DATA**

Orientation 2 (Tie-Off Anchor Clip)



INTERTEK TEST DATA SHEETS

Client/Ref #:	<u>Winola Industrial</u>	Engineer:	<u>Andrew Rulison</u>
Job No.:	<u>G103218967</u>	Tested By:	<u>Matthew Stevens</u> Date: <u>9/6/17</u>
Product:	<u>Ladder Pole</u>	Reviewed By:	<u>Andrew Rulison</u> Date: <u>9/7/17</u>
Model No.:	<u>HCL-PGE-2B</u>	Standard:	<u>ANSI/ASSE Z359.1-2007</u>

Sample Control No: Client brought samples 9/6/17 **TRANSCRIBED TEST DATA**

1/2" Gap on Lower Clip



Client/Ref #:	<u>Winola Industrial</u>	Engineer:	<u>Andrew Rulison</u>		
Job No.:	<u>G103218967</u>	Tested By:	<u>Matthew Stevens</u>	Date:	<u>9/6/17</u>
Product:	<u>Ladder Pole</u>	Reviewed By:	<u>Andrew Rulison</u>	Date:	<u>9/7/17</u>
Model No.:	<u>HCL-PGE-2B</u>	Standard:	<u>ANSI/ASSE Z359.1-2007</u>		

Sample Control No: Client brought samples 9/6/17 **TRANSCRIBED TEST DATA**

Sample(s) Breaking Point



Client/Ref #: Winola Industrial Engineer: Andrew Rulison
 Job No.: G103218967 Tested By: Matthew Stevens Date: 9/6/17
 Product: Ladder Pole Reviewed By: Andrew Rulison Date: 9/7/17
 Model No.: HCL-PGE-2B Standard: ANSI/ASSE Z359.1-2007
 Sample Control No: Client brought samples 9/6/17 **TRANSCRIBED TEST DATA**

