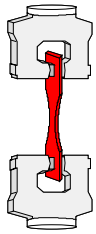


Mechanical Testing

- Tensile
- Compression
- Bend
- Shear
- Load
- Structures
- Fasteners
- Tensioning & Staying Systems
- Structural Bearings



IN CONFIDENCE TO THE CLIENT

REPORT NO: MT-06/208

LOAD TESTING OF A PORTABLE POLE PLATFORM

CLIENT: **GARY HERZBERG**
HEARTHILL PTY LTD.
FACTORY 3, 35 GILBERT PARK DRIVE
KNOXFIELD VIC 3180

DATE OF TESTING: JUNE 30TH 2006

DATE OF REPORT: JULY 1ST 2006

TEST SYNOPSIS:

A Portable Pole Platform used to support electrical power line technicians during pole and line maintenance operations was to be tested by Melbourne Testing Services (MTS) for load capacity. The test item, shown in Figure 1, was tested at the MTS Laboratory and in accordance with the client's specified procedure as stated in Appendix B of a document titled "*Guide to Electrical Worker's Safety Equipment*".

TEST ITEM IDENTIFICATION:

The pole platform was identified by an identification plate attached to one end of the platform. Details provided on the plate are as follows:

- Manufacturer: *Hearthill Pty Ltd*
- Safe Working Load: *150kg*
- Serial Number: *PP-012*

TEST REQUIREMENTS:

At the request of the client, type load testing was required to determine if the pole platform could safely support an applied load of 450kg for a period of 65 seconds. The test platform was manufactured to provide two options for connecting the circumferential support chain. Therefore two tests were conducted in order to verify that both chain coupling points were capable of supporting the test load.

A further test to induce failure by plastic deforming and/or fracture of the pole platform was also required.



FIG.1.
PORTABLE POLE PLATFORM

TEST PROCEDURE:

Testing was conducted by mounting the pole platform onto a timber power pole (See Fig.2). A steel plate 15cm long x 10cm wide was then positioned at mid-point of the work platform. Load was then progressively applied until the target test load of 450kg was achieved. At this point the test load was maintained steady for a minimum period of 65 seconds during which time the pole platform assembly was monitored for visible signs of failure.

Once the 65 second test period had elapsed, the test load was then steadily reduced until the entire test load was removed. At this point the platform was visually inspected for signs of permanent deformation, cracking or failure.

Failure load testing was conducted by progressively applying test load until the failure of the pole platform occurred. The test was terminated at this point.

TEST OBSERVATIONS:

Type Load Test

Flexure in the portable pole platforms, work platform and tubular support legs was observed while the 450kg test load was applied. However, once the test load was removed, the platform's components were observed to have fully rebounded without any visible sign of permanent deformation. This performance was consistent for both chain coupling points.

Failure Load Test

The peak test load achieved immediately prior to failure was recorded to be 527kg. Failure of the pole platform was observed to be fracture of a welded lug connected to the chain tightening screw.

SUMMARY:

The portable pole platform safely supported a type test load of 450kg or three (3) times the nominated Safe Working Load (SWL) of 150kg without failure or permanent deformation.

APPENDICES:

Test data curves for the portable pole platform are provided in Appendix A.

WITNESSES:

Testing was conducted at the premises of MTS and in the presence of the following witness:

- Gary Herzberg of Hearthill Pty Ltd

Notes:

- 1) This report only indicates compliance of the portable pole platform in its state at the time of testing. It should not be taken as a statement that all similar portable pole platforms or components of portable pole platforms in all states of repair, would also be found to comply.
- 2) It remains the responsibility of the client to ensure that the portable pole platform and components as reported herein are representative of the entire production batch.
- 3) This report only covers the structural integrity of the portable pole platform specific to the test procedure outlined herein.
- 4) Melbourne Testing Services shall take no responsibility for the procurement and authenticity of the portable pole platform as described herein.
- 5) Melbourne Testing Services shall take no responsibility for the installation procedures and use of portable pole platforms described herein.



RODNEY WILKIE
AUTHORISED SIGNATORY



FIG.2.
TEST SET-UP

APPENDIX A

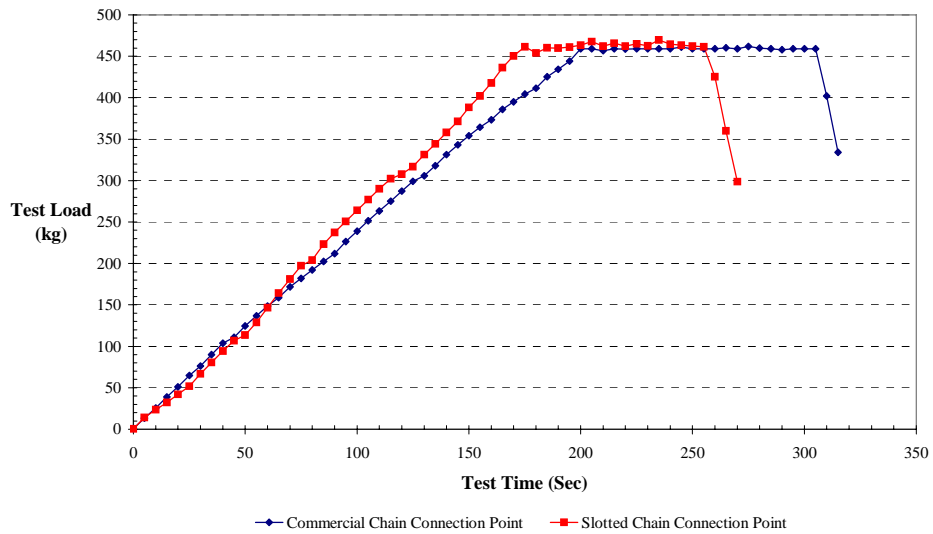


FIG.A1.
TYPE LOAD VS TEST TIME CURVES

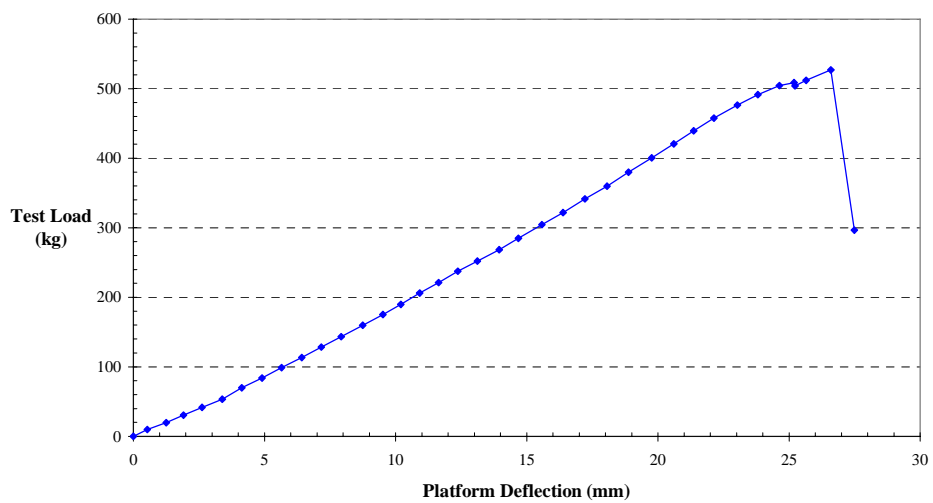


FIG.A2.
ULTIMATE LOAD VS DEFLECTION CURVE

Factory 3, 35 Gilbert Park Drive
KNOXFIELD Victoria 3180
Telephone 03 9763 9275
Mobile 0400 392 500

CERTIFICATE OF COMPLIANCE

FOR REPORT MT-06/208 & MT-06/272

EQUIPMENT DESIGNATION:

Portable Pole Platform

SERIAL NUMBER:

MANUFACTURER:

HeartHill Pty Ltd

SAFE WORKING LOAD:

150kg

COMMENTS:

The portable pole platform has been manufactured in accordance with the specified prototype design as described in test reports MT-06/208 & MT-06/272. The prototype unit S/N PP-012 was type tested to a load of 450kg or three times the nominated **Safe Working Load** for a period of 65 seconds as required by the “*Guide to Electrical Worker’s Safety Equipment*”.

CONDITIONS:

- 1) It remains the responsibility of the user to ensure that the portable pole platform is used in a safe manner and in accordance with the manufacturers normal operating procedure.
- 2) This certificate only covers the structural integrity of the portable pole platform specific to the test procedures outlined in test reports MT-06/208 and MT-06/272.
- 3) HeartHill shall take no responsibility for any subsequent alterations or design changes that may affect the safety and performance of portable pole platform as described herein.
- 4) HeartHill shall take no responsibility for the installation procedures and use of portable pole platforms described herein.

GARY HERZBERG
HEARTHILL PTY. LTD

DATE: