

HYDROSTATIC TEST REPORT

Tested for: Precision-Hayes International
14030 Florence Road
Sugar Land, TX 77498

Project Name: PT Cable Water Testing

Date: August 4, 2015

Project No.: 0204833

On August 4, 2015, a representative from Professional Services Industries, Inc. witnessed the testing of the Precision-Hayes International Posi-Lock Plus Encapsulated Anchorage System. The test was conducted within a hydrostatic pressure chamber and the components were arranged in a horizontal position to ensure equal hydrostatic pressure of at least 10.0 psi, which approximates 24 feet of hydrostatic head.

The representative encapsulated anchorage samples were from production runs selected and assembled by Precision-Hayes International technicians. Three samples were tested. To detect for the presence of moisture within the anchorage, white pigment P/T coating was used on the P/T cable. A red colored dye was added in the water within the chamber to contrast with the white color of the P/T coating. The "Pass" criterion was no colored dye staining inside the encapsulation system anywhere on the white P/T coating. The integrated anchorage sleeve had at its thinnest point a minimum 50-mil thickness, were translucent and as absent of voids as possible.

An inspector witnessed the placement of the components into the test chamber and 24 hours later witnessed the removal of the components from the same test chamber. The components were disassembled and inspected visually verifying that there was no staining of the white pigmented grease and no visible water intrusion in the anchorage system.

This is to confirm that Precision-Hayes International, Posi-Lock Plus 0.50 Inch Encapsulated Anchor System meets the test requirements of the Post Tensioning Institutes Field Procedures Manual, Specification for the Un-Bonded Single Strand Tendons, and the American Concrete Institutes Specification for Un-bonded Single-Strand Tendons (ACI 423.7-07) per Section 2.6.8.

If you have any questions or require additional information, please contact our office at your convenience.

Respectfully submitted,
Professional Service Industries, Inc.



Michael D. Phares, CWI
Department Manager, NDE

PRECISION – HAYES INTERNATIONAL

HYDROSTATIC TEST COMPONENT CONFIGURATION AND TEST RESULTS
POSI-LOCK PLUS 0.50 IN. ENCAPSULTED SYSTEMS

QUANTITY TESTED	CONFIGURATION TESTED DRAWING I/D NUMBER	HYDROSTATIC PRESSURE	SUBMERSION TIME	TEST RESULTS
3	Posi-Lock Plus 0.50 In. Fixed End Encapsulated Assembly D-0007505 Encapsulated Anchor D-0006695 Cap D-0001404 Wedge	10 PSI	24 HOURS	NO WATER PENETRATION
3	Posi-Lock Plus 0.50 In. Stressing End Encapsulated Assembly D-0004447 Encapsulated Anchor D-0006638 Cap D-0001404 Wedge	10 PSI	24 HOURS	NO WATER PENETRATION
3	Posi-Lock Plus 0.50 In. "Threaded" - Stressing End Encapsulated Assembly D-0007041 Encapsulated Anchor D-0009769 Threaded Cap D-0001404 Wedge	10 PSI	24 HOURS	NO WATER PENETRATION
3	Posi-Lock Plus 0.50 In. Intermediate Splice Assembly D-0008626 Sealing Nut D-0008828 O-Ring D-0004312 Splice Tube D-0004315 VDS Long Splice Tube	10 PSI	24 HOURS	NO WATER PENETRATION
3	Posi-Lock Plus 0.50 In. Intermediate Stressing Encapsulated Anchor with Spindle D-0000338 Encapsulated Intermediate Anchor D-0000314 Spindle with Tread Lock Connection D-0006704 VDS Long Sleeve Spindle Side Tube D-0006751 VDS Short Sleeve Anchor Nose Side D-0007499 Spindle Nut D-0008828 O-Ring D-0008626 Sealing Nut D-0001404 Wedge	10 PSI	24 HOURS	NO WATER PENETRATION
3	Posi-Lock Plus 0.50 In. Intermediate Stressing Encapsulated Anchor with Spindle and Splice D-0008895 Encapsulated Intermediate Anchor D-0000314 Spindle with Tread Lock Connection D-0006704 VDS Long Sleeve Spindle Side Tube D-0006751 VDS Short Sleeve Anchor Nose Side D-0007499 Spindle Nut D-0008828 O-Ring D-0008626 Sealing Nut D-0006420 Intermediate Splice Tube Assembly D-0001404 Wedge	10 PSI	24 HOURS	NO WATER PENETRATION