

# **CERTIFICATION TEST REPORT**

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**CERTIFICATION TEST REPORT** 16579-1 MECHANICAL STRENGTH TESTS ON 10-INCH STAINLESS CLEATS **FOR** ACCON MARINE, INC.

#### **CUSTOMER:**

ACCON MARINE, INC. 13665 AUTOMOBILE BLVD. CLEARWATER, FL 34622

MANUFACTURER

OF TEST ARTICLE: ACCON MARINE, INC.

CLEARWATER, FL 34622

REPORT NO.:

16759-1

**IMANNA JOB NO.:** 

16759

CUSTOMER P.O. NO.:

Verbal

CONTRACT:

N/A

**DATE:** Feb. 18, 2005

3 PAGES IN REPORT:

STATE OF FLORIDA

ROBERT L. WHITE

., being duly sworn, deposes and says: The information contained in this report is the result of complete and carefully conducted tests and is to the best of his knowledge true and correct in all respects.

SUBSCRIBED and sworn to before me this 18th day of February , 2005



David H. Hudgina Commission # DD 010632 Expires May 3,2005 Bonded Thru likutic Bonding Co., Inc

Imanna shall have no liability for damages of any kind to person or property, including special or consequential damages resulting from Imanna's providing the service covered by the report.

IMANNA LABORATORY, Inc.

**TEST BY** 

Alan Bell

PROJ. MANAGER

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### 1. TEST ARTICLE

Three stainless steel 10-inch pull-up cleats were received from Accon Marine in Clearwater, Florida for test.

#### 2. MODEL NUMBER

Not Identified

#### 3. REQUIREMENTS

The requirements for this effort are to perform mechanical strength tests on the received samples to failure.

#### 4. PROCEDURES

Each cleat was mounted to a 1" thick steel plate in the manner it would be mounted on a boat. The cleats were then subjected to an increasing side load to determine the point of significant bending and/or ultimate load capability (whichever occurs first) in the direction of pull.

#### 5. RESULTS

SAMPLE	MAX LOAD (lbs)	FAILURE MODE
1	29,430	1 mounting bolt sheered off of
		cleat body
2	33,360	cleat pulled from cleat body
3	30,580	both mounting bolt sheered off of
		cleat body
AVERAGE	31,123	see photos

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## 6. OBSERVATIONS AND COMMENTS

The results presented herein apply only to the test article as prepared and as tested. All equipment used in the performance of these tests was calibrated to standards traceable to the N.I.S.T.