

CERTIFICATION TEST REPORT

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CERTIFICATION TEST REPORT 16046-1 MECHANICAL STRENGTH TESTS ON **OVAL LIFTING EYES #201-LE** 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.:

16046-1

IMANNA JOB NO.:

16046

CUSTOMER P.O. NO.:

N/A

CONTRACT:

N/A

DATE: MARCH 19, 2003

PAGES IN REPORT:

3

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 19th day of March



David H. Hudgins ommission # DD 010632 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

Robert L. White

PROJ. ENGINEER

PAGE NO. 2 REPORT NO. 16046-1

TEST ARTICLE

Four stainless steel samples of Oval Lifting Eyes were manufactured and received from Accon Marine in Clearwater, Florida.

2. MODEL NUMBER

Oval Lifting Eye, #201-LE

3. REQUIREMENTS

The Requirements for this effort are to perform vertical pull tests on the received samples.

4. PROCEDURES

Each lifting eye was mounted to a ¾" thick steel plate in the manner it would be mounted on a boat. The lifting eyes were then subjected to an increasing vertical 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	14,332	PIVOT PIN FAILURE
2	14,030	PIVOT PIN FAILURE
3	14,933	PIVOT PIN FAILURE
4	15,745	PIVOT PIN FAILURE
AVERAGE	14,760	PIVOT PIN FAILURE



Figure 1. Oval Lifting Eye; Typical Failure Mode

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.