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UNCLASSIFIED

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW	
1 st Review Date: <u>11/4/98</u>	Determination (Circle Numbers)
Authority: <u>ADD</u>	Classification Retained: <u>U</u>
Name: <u>[Signature]</u>	Classification Changed to: <u>U</u>
2 nd Review Date: <u>not necessary</u>	Contains No DOE Classified Information: <u>U</u>
Authority: <u>ADD</u>	Coordinates With: <u>no</u>
Name: <u>[Signature]</u>	Contains UCAIT: <u>no</u>
	Comments: <u>OK proposed</u>

JUL 16 1953
 Case No. 458.0
 Ref. Symbol: 1611
 Project No. ET-1484
 Completed 4/30/53

MR. G. A. DOWN - 1284 TCG-NNT-1

Re: Load Test of XH-285 Sling

Object of Test

The object of the test was to determine the amount of permanent deformation the lift rod of the XH-285 sling would have when a load of 6000 pounds was applied and released.

Function of Object Tested

The XH-285 sling was to be used as a lift, in all applications, for the XN-7-X1 interchangeable workhead.

Authorization for Test

The test was requested by Division 1284 in a Work Order Authorization dated April 21, 1953. The consultant was Mr. E. Janssen.

Specifications

The sling was made by the Sandia Corporation Machine Shop to Dwg No. EG-1284-22825. The sling is to be given a bending load of 6000 pounds.

Procedure

The lift rod was a hollow pipe with two cable legs on each end and a lift ring in the center. The two ends were supported on steel blocks and the bending load was applied to the ring. A steel clevis with a one-inch pin and a compression plate was used to apply the load. Dial gages were used at the center of the rod and in the lift ring to check the deflection.

The equipment used was the 120,000-pound Baldwin-Southwark universal testing machine.

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW	
CLASSIFICATION: <u>U</u>	DATE: <u>11/4/98</u>
PERSON CHANGING MARKING: <u>Carmelo Vallejo</u>	RECORD ID: <u>995N0368</u>
PERSON VERIFYING MARKING: <u>WC Payne</u>	DATE: <u>12/15/98</u>

MICROFILM
UNCLASSIFIED

SEARCHED	
SERIALIZED	
FILED	
PERSONALITY CARD	
FILE No. <u>H-285</u>	<u>BB</u>
<u>3-2</u>	

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JUL 16 1953
Ref. Symbol: 1611
Project No. AT-1654

MR. L. A. DUNN - 1284

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Results

A 6000-pound bending load was applied to the rod and released. There was no permanent set to the rod or the ring.

J. A. Perry

Test Conducted by J. A. PERRY - 1611

Original Signed By
R. L. WAGAR

Approved by R. L. WAGAR - 1611

JAP:1611:bb

Copy to:

- J. R. Townsend, 1600
 - A. F. Cone, 1610
 - T. B. Morse, 1610
 - K. O. Thorp, 1630
 - G. M. Byrne, 1621-3
 - J. M. Ralls, 1621-4
- Attn: 1600 Drawing File



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