

File

TCG-NNT-1

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW	
1 st Review Date: 10/29/98	Classification Released: <u>U</u>
Authority: <u>RBC</u>	Classification Changed to: <u>U</u>
Name: <u>Blasnik</u>	Contains No DOE Classified Information: <input checked="" type="checkbox"/>
2 nd Review Date: <u>Not Req'd</u>	Coordinates With: <u>14</u>
Authority: <u>ADD</u>	Contains UCAIP: <u>14</u>
Name: <u>Kardec/ou Hent</u>	Comments: <u>OK for Opened</u>

AUG 20 1952
 Ref. Symbol: 1531
 Project No. NT-887

UNCLASSIFIED

MR. P. E. JOCKLE - 1281

Re: Tensile Test of Web Strap Between Riveted Plates on H-76 Device

Object of Test

The object of this test was to determine the force necessary to pull the web strap from between the riveted plates on either end of the H-76 device.

Function of Object Tested

The H-76 (essentially a web strap with tightening devices on the ends) is used to compress the removable center panels (MC-15) for installation in or removal from the Mk 6.

Authorization for Test

This test was requested by Division 1281 in a Work Order Authorization dated March 18, 1952. Mr. J. O. Davis was the consultant.

RECORDED

Procedure

SEP 18 1959

Two holes were drilled in the metal lever device so that a steel rod could be inserted for a pulling support. The web strap was pulled in line with the hinge bolt holes when a force was applied.

RECORDED FILE

The hook end was tested by placing the hook over a free-rolling, one-half-inch steel rod. When the hook bent under these conditions, it was straightened and an added metal strap was bolted to this area in order to complete the test.

The Baldwin-Southwick universal testing machine (120,000 lbs) was used in these tests.

Summary of Results

A force of 1435 pounds was necessary to pull the web strap through the six rivets on the lever end of the strap. In testing the opposite end of the H-76, a force of 1100 pounds bent the hook without causing failure of the strap. With

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW	
CLASSIFICATION CHANGED TO: <u>U</u>	AUTHORITY: <u>RBCranger</u>
PERSON CHANGING MARKING & DATE: <u>Carmela Gallegos 12/14/98</u>	RECORD ID: <u>995N0320</u>
PERSON VERIFYING MARKING & DATE: <u>W. C. Jarm 12/16/98</u>	DATED: <u>10/29/98</u>

H-76
 3-2
 BB

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UNCLASSIFIED AUG 20 1952

MR. P. E. JOCKLE - 1281

-2-

Ref. Symbol: 1281
Project No. BF-887

the metal hook firmly fastened to the testing machine by bolts, a force of 1700 pounds caused failure of the web strap on the hook end. The first two rivets located where the web strap enters the metal plates tore the web as it stretched. This tearing caused failure of the web strap at this point.

Clarence J. Giles

Test Conducted by C. H. GILES - 1281

Original Signed By
R. L. WAGAR

Approved by R. L. WAGAR - 1281

CHE:nj

Copy to:

L. J. Paddison - 1500

A. F. Gens 1510

G. H. Roth - 1520

T. B. Morse - 1530

G. C. McDonald - 1510

J. M. Ralls - 1281-4 Attn: 1500 Drawing File

UNCLASSIFIED

WORK ORDER AUTHORIZATION

DISTRIBUTION: ORIGINAL
2 COPIES
1 COPY

TO COST ORGANIZATION
TO ORGANIZATION DOING WORK
RETAINED BY ORIGINATING ORGANIZATION

To 1531

JOB ORDER NO

*ET 687
(433)*

DESIGN: PREL.

PROD

REDES.

DEV. WORK CLASS.

Call consultant

TEST REQUEST

URGENCY X

A

B

DRAWING NOS

DATE REQUIRED

3-21-52

MATERIAL SUPPLIED

H-76

DEADLINE

3-21-52

DATE COMPLETED

SECURITY CLASS

OUO

DESCRIPTION (INCLUDE QUANTITY)

TENSILE TEST H-76

It is requested that a tensile test
be made to see what force is required
to pull the web strap from under the
riveted plates (2 places).
No formal report is required, (memo will
suffice).

ORGANIZATION DOING WORK

ORGANIZATION REQUESTING WORK

WORK PERFORMED BY

PHONE

ORGANIZATION TO BE CHARGED

1281

EST. HOURS

ACTUAL HOURS

CONSULTANT

J.O. Davis

PHONE

2-9240

SIGNATURE

ESTIMATED COST

DATE

ORGAN.	PRELIMINARY APPROVALS				FINAL APPROVAL		ACCOUNTING CLASSIFICATION
					EXPENDITURE	DESIGN	
					171-1		ACCOUNTING CERTIFICATION
APPROVAL					<i>R. J. ...</i>		

REP