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1224

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JUL 10 1962

CENTRAL RECORD FILE

7/9/62

RS-7321/9979
File No.
T-18544
Completed: 5-2-62

MR. D. S. DREESEN - 7522
Attn: J. P. Keiner

Re: Static Test of QT-145/H-503 (U)

ACCOUNTABILITY
FILE No. H 503
3-2

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW
Determination (Circle Numbers)
1. Classification Retained
2. Classification Changed to U
3. Contains No DOE Classified Information
4. Coordinate With:
5. Contains UCAI
6. Comments: Declassify

TQG-NNT-1

Summary of Test

Three QT-145/H-503 combinations were statically tested to 3g's (2400 lbs.) to simulate handling loads. No failures or yielding were noted during any of the three tests. The three QT-145's were identical.

Object of Test

The object of this test was to determine if the QT-145/H-503 combination was structurally adequate to withstand a static load of 3g's (2400 lbs.).

Three identical QT-145's were tested. The load applied simulated a handling load.

Authorization for Test

This test was authorized in an ETO from Division 7522 to Division 7321, dated March 12, 1962. The requesting organization's consultant was J. P. Keiner.

Test Equipment and Instrumentation

INVENTORIED

AUG 6 1964

3427-1

The items tested were three QT-145's (Dwg. No. N-36509).

INVENTORIED

SEP 14 '65

3428-3

Equipment Used

Two Simplex Hydraulic Rams, 60,000 lb. capacity.

Two Baldwin SR-4 Load Cells, capacity 5000 lbs. Serial Nos. 4889 and 4888.

Two Baldwin SR-4 Strain Indicators. Serial Nos. J-92498, 391,905.

No instrumentation was used in this test.

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW
DOWNGRADING OR DECLASSIFICATION STAMP
CLASSIFICATION CHANGED TO: U
Camila Gallegos 12/9/98
PERSON CHANGING MARKING & DATE
W C Layne 12/16/98
PERSON VERIFYING MARKING & DATE
AUTHORITY: WC Layne
RECORD ID: 995NO408
DATED: 11/10/98

THIS DOCUMENT CONSISTS OF 3 PAGE(S)

[redacted]

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Procedure

Each of the QT-145's were tested in exactly the same manner.

The QT-145 was mounted to the R-503 as shown in Figure 1. An end cap, subassembly (Part No. 158615), was attached to the QT-145 as shown in Figure 1.

A special loading plate was mounted to the end cap subassembly so the load could be applied at a point 2.12 inches outboard from the mounting face between the QT-145 and the end cap subassembly. (See Fig. 1).

A lever arrangement was used to apply the load to the QT-145. (See Fig. 1).

A load of 1917 lbs, at the "point of load application" (Fig. 1) was applied by means of the lever arrangement. The end subassembly weighed 483 lbs. so the total load applied was 2400 lbs.

Results

The three QT-145's tested in combination with a R-503 withstood a static load of 3g's (2400 lbs.) without any signs of yielding or failure.

L. J. Woolrich
L. J. WOOLRICH - 7322-1

A. R. Elwell
Test Project Engineer: A. R. ELWELL - 7322

Approved by: R. S. HOOPER - 7321

LJW:hb

Enclosure: Fig. 1

Distribution:
1/6A - D. S. Dreesen, 7522
2/6A - J. M. Wiesen, 1442
3/6A - D. S. Bliss, 2344
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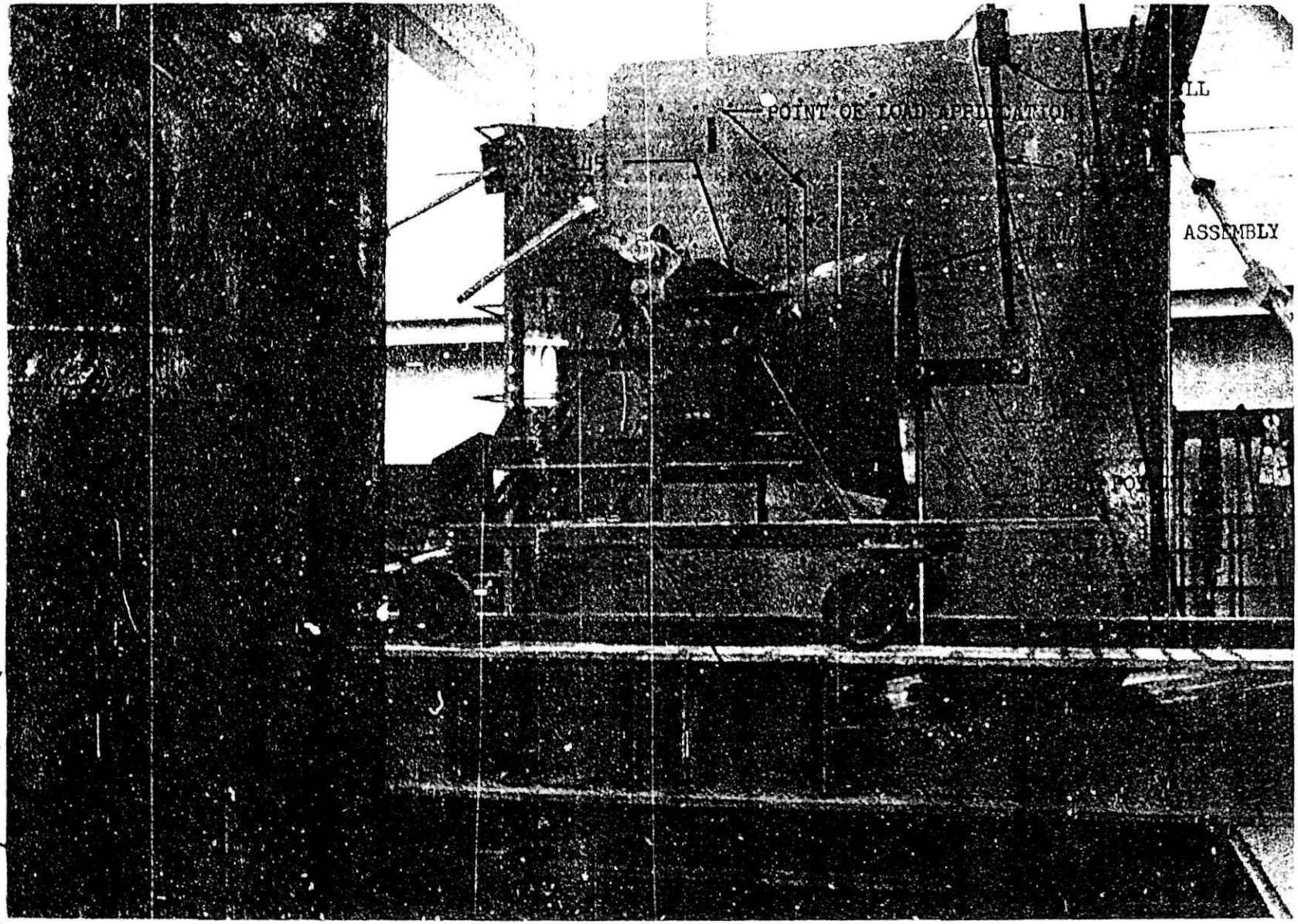

FIG. 1 TEST WITH [illegible]

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