

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW	
1 st Review Date: <u>8/11/98</u>	Classification (Circle Number): ① Classification Retained ② Classification Changed to: <u>U</u>
Authority: <u>W.C. Layne</u>	③ Contains No DOE Classified Information
2 nd Review Date: <u>8/19/98</u>	④ Contains UCAF
Authority: <u>W.C. Layne</u>	⑤ Comments: <u>Declassify</u>

AUG 14 1956
 Case No. 690.00
 Ref. Sym: 1612 (362)
 Project No. TM-428
 File: TX-28, 3-2

MR. S. A. MOORE - 1224

Attn: Mr. L. M. Spivey

Re: Proof Test of TX-28 Fixed Ballistic Tail Cone Mounting Bracket
 (Externally Carried Version)

Summary of Results

The TX-28 tail cone mounting bracket when statically proof tested to 136 per cent design limit load (8000 pounds) by applying a load 15 inches from the aft end of the cone showed no indication of failure or yielding.

Object of Test

The object of this test was to statically proof test the TX-28 tail cone mounting bracket by applying a 100 per cent design limit load (5900 pounds) 15 inches from the aft end and perpendicular to the axis of the cone. The load was increased to 136 per cent design limit load by the consultant's request.

Reason for Test

This test was authorized in a Work Order Authorization from Mr. J. H. Davis, 1224 to Mr. T. B. Morse, 1610, Attn: P. H. Adams, 1612, dated June 13, 1956.

Setup for Test

- I. Figure 1 is a sketch of the test setup.
- II. The item tested was one TX-28 tail cone (Dwg. No. SK(1326)50198) with Ring, Clamp Brace, (Dwg. No. DS(1326)50952).
- III. The following equipment was used in the test:
 - 1. One Simplex hydraulic pump and ram combination, 60 ton capacity.
 - 2. One Baldwin load cell, 10,000 pounds capacity, Serial No. 655.
 - 3. One Baldwin SR-4 strain indicator, Serial No. J-59101.
 - 4. Attaching bolts, plates, channels, and loading pads.

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SANDIA SYSTEMATIC DECLASSIFICATION REVIEW DOWNGRADING OR DECLASSIFICATION STAMP	
CLASSIFICATION CHANGED TO: <u>U</u>	AUTHORITY: <u>W.C. Layne</u>
PERSON CHANGING MARKING & DATE: <u>Emelda Selph 8/25/98</u>	RECORD ID: <u>98SN3759</u>
PERSON VERIFYING MARKING & DATE: <u>W.C. Layne 8/25/98</u>	DATED: <u>8/19/98</u>

GDL No.	
ACCOUNTABILITY CARD	<u>BN</u>
FILE NO.	<u>TX-28</u> <u>3-2</u>

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Function of Object Tested

The TX-28 cone mounting bracket attaches the TX-28 cone to the aft end of the TX-28 rear case.

Summary of Past Tests

No previous tests have been run by 1612 on the TX-28 tail cone mounting bracket.

Procedure

The TX-28 tail cone was mounted to the static jig by means of an adapter plate supplied by the consultant. A metal strap attached to a hydraulic jack was placed 15 inches from the aft end of the cone (Fig. 1). The unit was loaded to 100 per cent design limit load (5900 pounds) and inspected for damage. The unit was then loaded to 136 per cent design limit load (8000 pounds) by the consultant's request and inspected for damage.

Results

The TX-28 tail cone mounting bracket withstood a load of 136 per cent design limit load (8000 pounds), with the load being applied 15 inches from the trailing edge of the cone and perpendicular to the axis of the cone, without any indication of yielding or failure.

Conclusions and Recommendations

The TX-28 tail cone mounting bracket will withstand 136 per cent design limit load (8000 pounds) when the load is applied 15 inches from the aft end without any signs of yielding or failure.

L. J. Woolrich
L. J. WOOLRICH - 1612-2

Approved by:

Paul H. Adams
P. H. ADAMS - 1612

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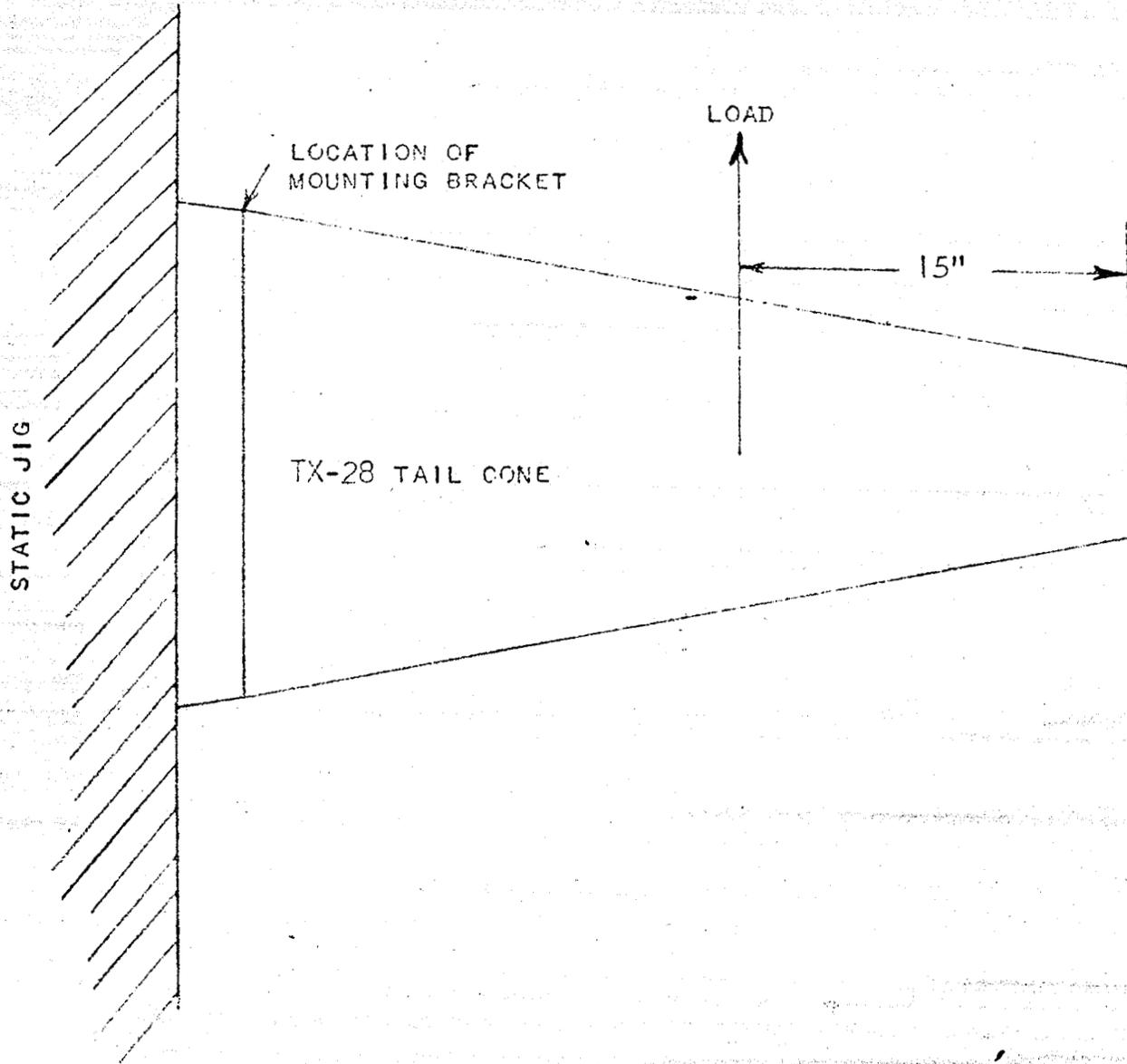


FIG. 1 -- SKETCH OF TEST SETUP IN STATIC TEST OF TX-28 TAIL CONE

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