

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW

1. R	Date: 10/27/98	Determination (Circle Numbers)
2. A	Authority: BPC/ADD	1. Classification Retained
3. Name: BPC/ASU		2. Classification Changed to: U
4. Review Date: Not req'd per		3. Contains No DOE Classified Information
5. Authority: ADD		4. Coordinate With
6. Name: DOE/100 memo.		5. Contains UCAIT
		6. Comments: OK for Openness

766-NN-1

JUN 23 1953
 Case No. 453.0
 Ref. Symbol: 1611
 Project No. ET-1597
 Completed 4/13/53

401

UNCLASSIFIED

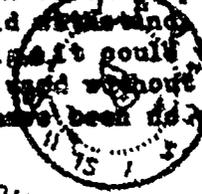
MR. P. E. JOCKLE, JR - 1281

Re: Vacuum and Pressure Test of H-43 Container

Object of Test

The object of this test was to determine how much vacuum, up to -12 psig, the H-43 container (Stock No. 107443) could withstand and, if still intact, how much internal pressure, up to 10 psig, it could withstand. If the container is sufficiently strong, it may be used without relief valves. This container had not been modified and there have been no previous tests of this character.

DISMISSED 10/10/98



Authorization for Test

The test was requested by Division 1281 in a Work Order Authorization dated April 10, 1953. Mr. R. Milby was the consultant.

Procedure and Results

A manometer and a vacuum pump (Oasco Megavac S-48615) were connected to the H-43 container, the relief valves and strainer of which had been removed. The absolute pressure inside the container was reduced from the ambient pressure of 625 mm of Hg to 3 mm of Hg (a difference equivalent to -12.05 psig). The top of the container was depressed about 3/4 inch in the center. The container showed no permanent damage. The vacuum pump was then replaced by a pressure pump (Sharpe, Serial No. 12399) and the pressure increased from an ambient pressure of 625 mm of Hg to 1141 mm of Hg (a difference equivalent to 10.02 psig). The deflection at the top was not measured. The container again showed no evidence of damage.

HUP:1611:bb

Test Conducted by H. G. PAGE - 1611

Copy to:

- J. E. Townsend, 1600
 - A. F. Cone, 1510
 - T. B. Morse, 1610
 - K. O. Thorp, 1630
 - G. M. Byrne, 1921-3
 - J. M. Sallis, 1621-4
- Attch: 1500 Drawing File

Approved by R. L. WAGAR - 1611

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW

CLASSIFICATION CHANGE TO: U	AUTHORITY: BPC/ASU
FILED ON CHANGING MARKING & DATE: 10/27/98	RECORDED: 99SN0301
FILED ON EXPIRING MARKING & DATE:	DATED: 10/27/98

MICROFILM

1442 SEP 10

ACCOUNTABILITY CARD	BFB
FILE No	H-43
	3-2

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