

SUN SHIPBUILDING AND DRY DOCK CO.
CHESTER, PA.

TEST REPORT OF
FUSION WELDED VESSEL

Owner *Avilla (Ship)* *PROPANE WATER SEPARATORS*
Dia. *3'0"* Thick *1/2"* Length *2* Girth Seams *1* Long Seams
Relieving Treatment *1/2* Hours *1100-1200* deg. F. *Cooled in furnace to 500-600*

TRANSVERSE TENSION TEST

DIMENSIONS	AREA	Y. P. PLATE	Y. P. WELD	ULTIMATE	FAILURE
<i>50 X 430</i>	<i>.645</i>	<i>54300</i>		<i>73500</i>	<i>PLATE</i>

ALL WELD METAL TENSION TEST

DIA.	AREA	YIELD POINT	ULTIMATE	ELONG.	RED. AREA	REMARKS

FREE BEND TEST

DIMEN.	BEFORE	AFTER	ELONG.	% ELONG.	REMARKS
<i>FACE</i>	<i>.72</i>	<i>.98</i>	<i>.26</i>	<i>36.2</i>	<i>No Failure</i>

Macro. *OK.*

Specific Gravity

Impact (Note Whether Charpy or Izod) *52* Top Side *59* Bottom

Chemical Analysis

Ray Examination Complies With *LLOYD'S REGISTRY*

Plate Material *A-212 Gr. B. 70000* Heat No. *75J274-10727*

Welding Process *MANUAL ARC* WELDER *59-258*

Weld Rod *COR. Moly 50*

Working Press

Serial No.

Charge No.

M 2249-7

Date

8-7-47

Test Engr.

D. E. Robertson

Inspector

W. E. Lloyd

* Where more than one vessel is built, the Serial No. shall be (Charge No.)—1, 2, 3, etc.

Lloyd's Register
Foundation