

Boilers 1807/0
key Boilers -

If Surveyed Afloat or in Dry Dock Both
(State name of Dock.) Sun SB & DD Co.

Particulars of Classification (with
precisely as in Register Book &

SM 11-42

SUN SHIPBUILDING AND DRY DOCK CO. CHESTER, PA.

TEST REPORT OF FUSION WELDED VESSEL

Customer Standard Oil Co. (N. J.) PROPANE STORAGE TANK
Vessel 11'10" Dia. 1-1/4" Thick 21'6" Length 4 Girth Seams 3 Long Seams
Stress Relieving Treatment 1-1/4 Hours 1150-1200 deg. F. Cooled in furnace

TRANSVERSE TENSION TEST

DIMENSIONS	AREA	Y. P. PLATE	Y. P. WELD	ULTIMATE	FAILURE
<u>.096 x 1.251</u>	<u>1.37</u>		<u>58300</u>	<u>70800</u>	<u>Weld</u>

ALL WELD METAL TENSION TEST

DIA.	AREA	YIELD POINT	ULTIMATE	2" ELONG.	RED. AREA	REMARKS
<u>.505</u>	<u>.200</u>	<u>42500</u>	<u>70000</u>	<u>32.0</u>	<u>62.8</u>	<u>3/4 cup</u>

FREE BEND TEST

DIMEN.	BEFORE	AFTER	ELONG	% ELONG.	REMARKS
<u>Face</u>	<u>.96</u>	<u>1.44</u>		<u>50.0</u>	<u>No failure</u>

Crack Break

Specific Gravity

Impact (Note Whether Charpy or Izod) 45.0 Top - Side 58.0 Bottom

Chemical Analysis

Ray Examination Complies With Lloyd's Registry

Plate Material 70,000# F.B. Heat No. ?

Welding Process Unionmelt

Weld Rod

Working Press

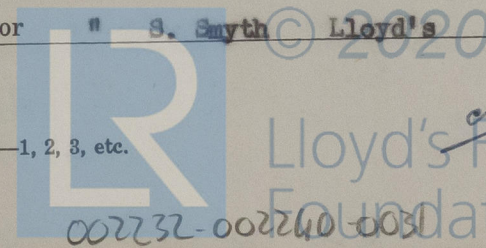
Date 3-26-47

Serial No. 3

Test Engr. Sgd. D. E. Robertshaw

Charge No. L-5896

Inspector " S. Smyth Lloyd's



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

Lloyd's Register of Shipping

SUN SHIPBUILDING AND DRY DOCK CO.
CHESTER PA.

TEST REPORT OF
FUSION WELDED VESSEL

REPORT NO. 111

SHIP NAME: THE SUN
CLASS: S.S. 1-A
HULL NO. 111

TRANSVERSE TENSION TEST

TEST NO. 111

WELD METAL TENSILE TEST

TEST NO. 111

WELD METAL TEST

TEST NO. 111

TEST NO. 111

TEST NO. 111

TEST NO. 111

APR 1 1947



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Lloyd's Register
Foundation

No. 1
Steam
in M
in L
4 SM
Custom
essel
Stress
D
1.09
DIA.
.50
DIME
Fac
Nick B
Specific
Impact
Chemical
X-Ray
Plate M
Welding
Weld R
Working
*Serial N
Charge
*Whe