

# 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>1.098 x 1.248</u>	<u>1.37</u>		<u>58,300</u>	<u>70,700</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>44500</u>	<u>71500</u>	<u>32.5</u>	<u>62.1</u>	<u>1/2 cup</u>

### FREE BEND TEST

DIMEN.	BEFORE	AFTER	ELONG	% ELONG.	REMARKS
<u>Face</u>	<u>.94</u>	<u>1.35</u>		<u>43.7</u>	<u>No Failure</u>

Nick Break

Specific Gravity

Impact (Note Whether Charpy or Izod) 46.0 Top - Side 62.0 Bottom

Chemical Analysis

X-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. 4

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.



SUN SHIPBUILDING AND DRY DOCK CO.  
CHESTER, PA.

TEST REPORT OF  
FUSION WELDED VESSEL

PLATE SPECIFIC GRADE

REPORT ON 4. 1. 1.

DATE OF TEST 1-15-1947

TRANSVERSE TENSION TEST

1	2	3	4	5	6	7	8	9	10
10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

ALL WELD METAL TENSION TEST

1	2	3	4	5	6	7	8	9	10
10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

WELD METAL TEST

1	2	3	4	5	6	7	8	9	10
10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

0.33 0.31

1.1 1.1

10.0

10.0

APR 1 1947



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Lloyd's Register  
Foundation

Customer

Vessel 11

Stress Reli

DIME

1.255 x

DIA.

.505

DIMEN.

Face

Nick Break

Specific Gr

Impact (N

Chemical A

X-Ray Ex

Plate Mat

Welding P

Weld Rod

Working P

erial No.

arge No

\* Where

Survey Fee (per