

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>161 x 1.212</u>	<u>1.41</u>		<u>59600</u>	<u>75500</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>54500</u>	<u>75000</u>	<u>26.0</u>	<u>52.8</u>	<u>1/2 cup</u>

FREE BEND TEST

DIMEN.	BEFORE	AFTER	ELONG	% ELONG.	REMARKS
<u>Face</u>	<u>.93</u>	<u>1.40</u>		<u>50.6</u>	<u>No failure</u>

Crack Break

Specific Gravity

Impact (Note Whether Charpy or Izod) 34.0 Top - Side 62.0 Bottom

Chemical Analysis

Ray Examination Complies With Lloyds RegistryPlate Material 70000# F.B. Heat No. ?Welding Process Unionmelt

Weld Rod

Working Press

Date 3-26-47Serial No. 1Test Engr. D. E. RobertshawCharge No. L-5896Inspector Sgd. S. Smyth, Lloyds.

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

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Lloyd's Register
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SUN SHIPBUILDING AND DRY DOCK CO.

CHESTER, PA.

TEST REPORT OF
FUSION WELDED VESSEL

TESTING STORAGE TIME

TESTING DATE

TESTING LOCATION

TRANSVERSE TENSION TEST

TEST NO.	WELD NO.	WELD TYPE	WELD POSITION	WELD SIZE	WELD LENGTH	WELD WIDTH	WELD THICKNESS	WELD AREA	WELD VOLUME
1	1	1	1	1	1	1	1	1	1

ALL WELD METAL TENSION TEST

TEST NO.	WELD NO.	WELD TYPE	WELD POSITION	WELD SIZE	WELD LENGTH	WELD WIDTH	WELD THICKNESS	WELD AREA	WELD VOLUME
1	1	1	1	1	1	1	1	1	1

WELD METAL TENSILE TEST

TEST NO.	WELD NO.	WELD TYPE	WELD POSITION	WELD SIZE	WELD LENGTH	WELD WIDTH	WELD THICKNESS	WELD AREA	WELD VOLUME
1	1	1	1	1	1	1	1	1	1

TESTING DATE

TESTING LOCATION

TESTING DATE

APR 1 1947



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