

FOSTER WHEELER CORPORATION

LABORATORY TEST RECORD

Steam Down

Test Specimen No. 1110 B-582 #2
 Recd. for Test _____ Tested 3/24/37 Report Issued _____
 Tested By _____ Test Checked By _____ Report Issued By Holder
 Laboratory File No. _____ S. O. or Req. No. B 577-84 Dept. _____

x Reduced SECTION TENSILE TEST

Coupon No.	Dimensions		Area	Total Load, lbs.		Unit Stress Lbs./sq. in.		Character of Failure and Location
	Width	Thickness		Yield	Ultimate	Yield	Ultimate	
	<u>1.039</u>	<u>.998</u>	<u>1.04</u>		<u>64000</u>		<u>61538</u>	<u>In plate</u>

FREE BEND TEST

Coupon No.	Gauge Length		Difference	Percent Difference	Remarks
	Before Bending	After Bending			
	<u>21</u>	<u>30</u>	<u>9</u>	<u>43 plus</u>	<u>No failure</u>

NICK BREAK TEST

Coupon No.	Crystalline Structure (coarse, medium, fine)	Fusion	Porosity	Slag	Remarks

ALL WELD METAL TENSILE TEST

Coupon No.	Diam.	Area	Reduced Diam.	Reduced Area	Percent Red. of Area	Elong. in 2"		Total Load Lbs./sq. in.		Unit Stress Lbs./sq. in.	
						Total	Percent	Yield	Ultimate	Yield	Ultimate
	<u>505</u>	<u>200</u>	<u>320</u>	<u>0804</u>	<u>59.8</u>		<u>30</u>	<u>10990</u>	<u>13160</u>	<u>54950</u>	<u>65800</u>

CHARPY IMPACT TEST

Coupon No.	Foot Pounds	Remarks

SPECIFIC GRAVITY TEST

Coupon No.	
	<u>7.839</u>

xx SHEAR TEST

Coupon No.	Length of Fillets Failing	Yield		Ultimate		Remarks
		Lbs.	Lbs./sq. in.	Lbs.	Lbs./sq. in.	

x Reduced or full.

xx Longitudinal or transverse.



© 2020

Lloyd's Register
Foundation

W35-0180

Purchaser:
 Federal Shipbuilding & DD Co.
 For Standard Oil Co. of N.J.
 Tankers

Inspection:
 Department of Commerce
 Bureau of Nav. & Steamboat Insp.
 American Bureau of Shipping

Test Specimen No. 1110

Reason for test Job

Welded by Holderith & Edmonds

Stamp H & E Check No. _____

Classification of Welder First Class

Classification Expires _____

Dept. _____

S. O. or Req. No. B 577-84

Job Name or No. B 582 No. 2 Drum 42"

Radiograph No. _____

Date _____

Dept. File No. _____

Radiographic Classification _____

Material Welded Drum B582 #2 42"

Type of Weld U. Groove

Thickness of Material 1 1/2" thick

Current _____ Voltage _____

Position of specimen when welded horizontal

If Stress relieved, describe _____

Preparation of test coupons, Drawing No. _____

Test specimen inspected and approved by _____

Specification _____

Size and Type Electrode 1/4" RD

Joint Preparation U Groove

Polarity A.C.

No. of passes 9

Remarks: _____

s/s ESSO HOUSTON NYK Rpt 38176



© 2020

Lloyd's Register
Foundation