

B 582 #1

FOSTER WHEELER CORPORATION

Water Down

LABORATORY TEST RECORD

Test Specimen No. **1094**

Recd. for Test _____

Tested **3/24/37**

Report Issued _____

Tested By _____

Test Checked By **Hanna McLean**Report Issued By **Holder**

Laboratory File No. _____

S. O. or Req. No. **B 582 #1**

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	
	1.006	1.004	1.02		69500		68137	In weld

FREE BEND TEST

Coupon No.	Gauge Length		Difference	Percent Difference	Remarks
	Before Bending	After Bending			
	18	26.5	8.5	46 plus	no failure

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
	505	200	304	0726	63.7		32	10740	12690	53700	63450

CHARPY IMPACT TEST

Coupon No.	Foot Pounds	Remarks

SPECIFIC GRAVITY TEST

Coupon No.	
	7.840

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.



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W35-0178

RECORD OF WELD TEST

Buyer:
Federal Ship Bldg. & DD Co.
For Std. Oil of N.J. Tankers

Inspection:
Dept. of Commerce
B.N.S.I.
Amer. Bur. of Shipping

Test Specimen No. 1094
Reason for test Job
Welded by Rogers Edmonds
Stamp R E Check No.
Classification of Welder 1
Classification Expires
Dept.

S. O. or Reg. No. B-582-#1
Job Name or No. _____
Radiograph No. _____

Date
Dept. File No.
Radiographic Classification

Material Welded Test Plate
Type of Weld Horizontal
Thickness of Material 1-1/8"
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" R.D.
Joint Preparation	U-Groove
Polarity	A.C.
No. of passes	9

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