

B 581 #1

Water Down

FOSTER WHEELER CORPORATION

LABORATORY TEST RECORD

Test Specimen No. 1093

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 581 #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	1.005	1.02		69800		68431	In weld

FREE BEND TEST

Coupon No.	Gauge Length		Difference	Percent Difference	Remarks
	Before Bending	After Bending			
	29	40.5	11.5	39 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	306	0735	63.2	34 1/2		10790	12660	53950	63300

CHARPY IMPACT TEST

Coupon No.	Foot Pounds	Remarks

SPECIFIC GRAVITY TEST

Coupon No.	
	7.839

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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W35-0181

RECORD OF WELD TEST

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

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

Test Specimen No. 1093
Reason for test Job
Welded by Edmonds & Rogers
Stamp E R Check No.
Classification of Welder 1
Classification Expires
Dept.

S. O. or Req. No. **B 581 #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

Remarks: S/S Oiso Houston N Y Apr 58/10

S/S Esso Houston 2 Y Rpt 38176

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