

# FOSTER WHEELER CORPORATION

## LABORATORY TEST RECORD

Test Specimen No. **1006 WHB-83**

Recd. for Test \_\_\_\_\_

Tested **1-4-37**

Report Issued **1-4-37**

Tested By \_\_\_\_\_

Test Checked By \_\_\_\_\_

Report Issued By **Holder**

Laboratory File No. \_\_\_\_\_

S. O. or Req. No. **WHB-83**

Dept. \_\_\_\_\_

**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	
	<b>1.498</b>	<b>.461</b>	<b>69</b>		<b>45100</b>		<b>65377</b>	<b>in plate</b>

### FREE BEND TEST

Coupon No.	Gauge Length		Difference	Percent Difference	Remarks
	Before Bending	After Bending			
	<b>20</b>	<b>29</b>	<b>9</b>	<b>45+</b>	<b>no failure</b>

### 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
			<b>No 505</b>								

### CHARPY IMPACT TEST

Coupon No.	Foot Pounds	Remarks

### SPECIFIC GRAVITY TEST

Coupon No.	
	<b>7.841</b>

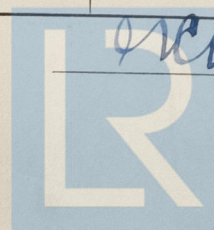
xx

### 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.



Works Laboratory.

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ER

# RECORD OF WELD TEST

Purchaser:  
Sun Shipbuilding & D. D. Co.  
Chester, Pa.

Insurance Inspection:  
BMIN & ABS & LLOYDS

Test Specimen No. 1006  
Reason for test Job  
Welded by Rogers & Swearer  
Stamp R & S Check No.  
Classification of Welder 1  
Classification Expires  
Dept.

S. O. or Req. No. WHB-83  
Job Name or No. Drum  
Radiograph No.  
Date  
Dept. File No.  
Radiographic Classification

Material Welded Test Plate  
Type of Weld Horizontal  
Thickness of Material 7/16"  
Current Voltage Polarity A.C.  
Position of specimen when welded horizontal No. of passes 5  
If Stress relieved, describe  
Preparation of test coupons, Drawing No.  
Test specimen inspected and approved by

Remarks: SHELL PLATE  
MAN HEAD  
PLAIN

HYDRO TEST 300 LBS & HAMMERED  
400 "

ALL SEAMS X RAYED SATISFACTORY.



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