

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	
	<u>1.006</u>	<u>1.005</u>	<u>1.02</u>		<u>69800</u>		<u>68431</u>	<u>In weld</u>

FREE BEND TEST

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

CHARPY IMPACT TEST

Coupon No.	Foot Pounds	Remarks

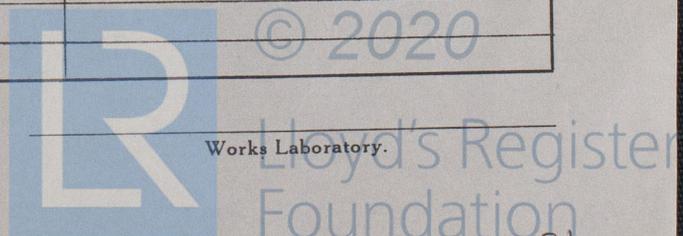
SPECIFIC GRAVITY TEST

Coupon No.	Specific Gravity
	<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.



W35-0181

