

No. 685

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING

(Received at London Office,

TESTS OF BOILER STEEL



Tests of Steel Plate manufactured by Readale Iron Works of Spennymoor for Boiler No. 240 to be constructed by Richardson Sons of Barnsley for

Date first visit 17.5.87

last visit

No. of visits 1

The Plates specified in the accompanying copy of Advice Notes were rolled from 9 charges. The tensile test has been applied to 18 samples as set forth below, and the temper and bending tests were satisfactory.

No.	Purpose.	Charge Mark.	No. of plates or bars in same charge.	Mark on plate and test piece.	Dimensions.			Ultimate Stress.		Exten. in 8 ins.	Remarks.
					Thickn.	Brdth.	Area.	Total.	Sq. Inch		
					Ins.	Ins.	Ins.	Tons.	Tons.		
	<u>Furnace Crown</u>			<u>3360</u>	<u>.63</u>	<u>1.58</u>	<u>.976</u>	<u>26.78</u>	<u>27.4</u>	<u>27</u>	
	"			<u>3367</u>	<u>.64</u>	"	<u>.992</u>	<u>27.23</u>	<u>27.4</u>	<u>27</u>	
	"			<u>3371C</u>	<u>.62</u>	<u>1.51</u>	<u>.936</u>	<u>26.78</u>	<u>28.6</u>	<u>26</u>	
	<u>bottoms</u>			<u>3349D</u>	"	<u>1.54</u>	<u>.954</u>	<u>26.33</u>	<u>27.6</u>	<u>28</u>	
	"			"	"	"	<u>.954</u>	<u>26.56</u>	<u>27.8</u>	<u>30</u>	
	"			<u>3350L</u>	<u>.64</u>	"	<u>.985</u>	<u>27.67</u>	<u>28.0</u>	<u>29</u>	
	"			"	"	"	<u>.985</u>	<u>27.89</u>	<u>28.3</u>	<u>27</u>	
	"			<u>3359B</u>	<u>.63</u>	"	<u>.970</u>	<u>26.33</u>	<u>27.1</u>	<u>28</u>	
	"			"	<u>.62</u>	"	<u>.954</u>	<u>25.89</u>	<u>27.1</u>	<u>28</u>	
	<u>Strops</u>			<u>3390B</u>	<u>.50</u>	<u>1.50</u>	<u>.750</u>	<u>20.98</u>	<u>27.9</u>	<u>25</u>	
	"			"	<u>.49</u>	"	<u>.735</u>	<u>19.64</u>	<u>26.7</u>	<u>30</u>	
	<u>Comb. bhs</u>			<u>3352</u>	<u>.57</u>	<u>1.54</u>	<u>.877</u>	<u>24.55</u>	<u>28.0</u>	<u>29</u>	
	"			"	<u>.56</u>	<u>1.50</u>	<u>.840</u>	<u>24.10</u>	<u>28.6</u>	<u>24</u>	
	"			<u>3359</u>	<u>.58</u>	<u>1.55</u>	<u>.852</u>	<u>23.21</u>	<u>27.2</u>	<u>25</u>	
	"			"	<u>.56</u>	"	<u>.868</u>	<u>23.43</u>	<u>27.0</u>	<u>31</u>	
	<u>Shell Strops</u>			<u>3161K</u>	<u>.58</u>	<u>1.50</u>	<u>.870</u>	<u>25.00</u>	<u>28.4</u>	<u>29</u>	
	"			<u>3382</u>	<u>.55</u>	"	<u>.825</u>	<u>22.76</u>	<u>27.5</u>	<u>30</u>	
	<u>Furnace</u>			<u>3367A</u>	<u>.50</u>	"	<u>.750</u>	<u>20.98</u>	<u>27.9</u>	<u>28</u>	

When a second test is applied, the result should be recorded immediately below the record of the original test. The number of plates or bars included in a rejection must be clearly stated.

Fee £ : :
Expenses £ : :
£ : :

To be paid by

Surveyor, Lloyd's Register.

West Hartlepool