

Lloyd's Register of Shipping.

RESULTS OF TESTS OF STEEL.

Forgings

Made by *The Darlington Forge Ltd Darlington*

For *Miss Swan Hunter & Co Ltd Newcastle* Engine *1314*

Date.	Batch No.	No. of Pieces.	Description.	Charge Mark.	Heat No.	Thickness Dia	Area.	Tons per square inch.	Extension on <i>3</i> inches.
									%
			1- R. Steel primary Drive shaft	175 1/2 255 1/2	826	564	25	42.4	18 on 2"
			1- " " "	"	828	"	"	41.8	23 . .
			2- 2nd Red Wheel Rims	218 1/2	634	798	50	34.4	32 . 8"
			2- R. Steel 2nd Red Priming Shafts	343 1/2	636	564	25	44.0	26. - 2"
			1- Primary Wheel Shaft	193 1/2	122	798	50	28.4	36. . 8"
			1- " " "	"	124	"	"	28.2	37. "
			2- " " " Wheel Shafts	693 1/2	896	"	"	28.4	31- "
			1- Turbine Spindles	133 1/2	990	"	"	35.0	32. 0
			2- " " "	"	992	"	"	35.0	31- 0
			2- aft Shaft coupling pieces	473 1/2	466	"	"	28.2	34 0
			2 Transverse Shafts	98 1/2	58	"	"	30.4	31- 0

all bends angle 180 without Fracture.

M Robertson

12/1/29



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