

W1158-0198

THE SUNDERLAND FORGE & ENGINEERING COMPANY, LIMITED.



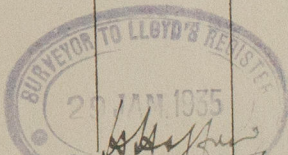

TEST OF DIRECT CURRENT MOTOR, SIZE 14" x 11"
O/No. 3149/50.

for MESSRS. John Hastie & Co. Ltd., Harland & Wolff's 924 G. Ship.

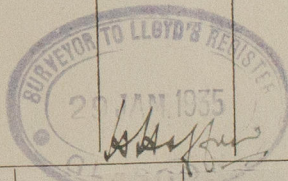
OUTPUT PLATE } 220 Volts 230 Amps 60 B.H.P. 550 Revs.
STAMPED

1 hour Rating Compound Wound, No. F.2705 B. Date 1934.

READINGS DURING TEST.

	Speed R.P.M.	LINE		SHUNT		DATE OF TEST 22/5/34.	Remarks
		Volts	Amps.	Volts	Amps.		
ature run, driving F.2705 A. as generator.							
am	562	220	18	220	3.20		Running Light
"	566	"	"	"	3.16		"
"	570	"	17	"	3.09		"
"	571	"	"	"	3.05		"
"	572	"	"	"	3.04		"
"	574	"	"	"	3.03		"
oon	576	"	"	"	3.02		"
pm	577	"	16	"	"		"
"	"	"	"	"	3.01		"
"	"	"	17	"	2.98		"
"	548	"	230	"	2.96		Full Load
"	549	"	"	"	2.94		"
"	551	"	"	"	2.92		"
"	553	"	"	"	2.91		"
"	554	"	"	"	"		Temps. taken.
on spare armature F.2706.							
pm	540	220	228	220	3.15		
"	550	"	230	"	2.98		
Armature temperature rise 54°F. Commutator temperature rise 38°F.							
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Armature temperature rise 54°F.
Commutator temperature rise 38°F.



atures taken by thermometers	Armature	Commutator	Shunt Coils	Series Coils	Interpole Coils
um Temperature recorded ...	128	113	124	117	119
uperature ...	70	70	70	70	70
ature Rise in Degrees F. ...	58	43	54	47	49
Before Temperature Run			After Temperature Run		
ressure Test on Motor ...	2000	Volts for 1 min.	2000	Volts for 1 min.	
on Resistance of Motor ...		3. Megohms		17	Megohms

te 21/1/35

Signed JMD.

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YES