

THE SUNDERLAND FORGE AND ENGINEERING COMPANY, LIMITED



TEST OF DIRECT CURRENT GENERATOR, SIZE 10"
and ENGINE, Size 7" x 3"

Customer's Order No. 38/58

Ship No. 488 s.s. "Newlands".

For MESSRS. ~~The Grangemouth Dockyard Co., Ltd.~~ W. Tulley & Co., Ltd. 52785.

OUTPUT PLATE
STAMPED

110 Volts 59 Amps 6.5 K.W. 500 Revs.
Continuous Rating Compound Wound, No. 0.3595 Date 1944

Engine No. G.3594 Steam Pressure 80 lbs. / sq. in. Exhaust.

Time	Speed R.P.M.	LINE		SHUNT		Stm. Pres. lbs./sq. in.	Remarks
		Volts.	Amps.	Volts	Amps.		
<u>TEMPERATURE RUN</u>							
8-45	502	110	59	75	3.07	80	Temperatures taken A
8-15	501	110	59	80	3.19	80	
8-45	502	110	59	81	3.06	80	
9-15	502	110	59	83	3.08	80	
9-45	502	110	59	83	3.05	80	
10-15	502	110	59	85	3.14	80	
10-45	502	110	59	85	3.1	80	
11-15	502	110	59	85	3.1	80	
11-45	502	110	59	85	3.09	80	
<u>GOVERNING</u>							
	502	110	59	82	3.11	80	Full Load
	517	110	0	82	3.14	85	No Load
<u>25% Overload</u>							
3-45	502	110	74	90	3.22	95	
Ran in parallel with G.3596/7 satisfactorily							

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Temperature Rise in degrees Fahrenheit at Air Temperature A:— 70

B:—

	A	B		A	B		A	B
Armature	36		Commutator	29		Shunts	26	
Series	35		Interpoles			Crankcase Oil	49	

High Pressure Test

2,000

Volts for

1

minute.

Insulation Resistance

100

Megohms

Date of Test

5.12.44

Signed

[Signature]

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Lloyd's Register
Foundation

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