

S.S. GENERTON SUNDERLAND. No 31983
THE SUNDERLAND FORGE & ENGINEERING
COMPANY, LIMITED. 18 DEC 1936



TEST OF DIRECT CURRENT GENERATOR, Size 12" x 7"

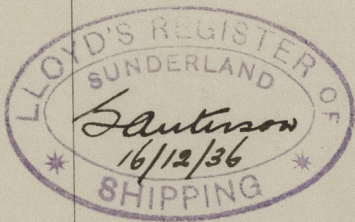
and ENGINE, Size 6" x 5"

For MESSRS. I.D. for SHORT BROS. NO.448 SHIP. Order 16319.

OUTPUT PLATE } 110 Volts 73 Amps 8 K.W. 380 Revs.
 STAMPED } Continuous Rating Compound Wound, No. F.922 Date 1936.

Engine No. F.912 Steam Pressure 100 lbs. per sq. inch.

READINGS DURING TEST.

Time	Speed R.P.M.	LINE		SHUNT		Stm. Pres. lbs./sq. in.	DATE OF TEST
		Volts	Amps.	Volts	Amps.		Remarks
<u>Temperature run. 29-2-36.</u>							
7-45.am	379	110	73	86	2.85	130	Temperatures taken.
8-15 "	380	110	73	89	2.85	135	
8-45 "	378	110	73	93	2.85	135	
9-15 "	377	110	73	98	2.9	130	
9-45 "	376	110	73	98	2.9	135	
10-15 "	375	110	72	100	2.9	120	
10-45 "	376	110	73	100	2.95	125	
11-15 "	377	110	73	100	2.95	130	
11-45 "	376	110	73	100	2.95	130	
<u>Governing.</u>							
	384	110	0	92	3.09	100	
	377	112	73	93.5	3.09	100	
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011912-011926-0205

Temperatures taken by thermometers	Armature	Commutator	Shunt Coils	Series Coils	Interpole Coils
Maximum Temperature recorded ...	115	106	102	120	-
Air Temperature	62	62	62	62	-
Temperature Rise in Degrees F. ...	53	44	40	58	-
	Before Temperature Run		After Temperature Run		
High Pressure Test on Generator ...	2000 Volts for	1 min.	2000 Volts for	1 min.	
Insulation Resistance of Generator ...	30	Megohms	100	Megohms	

Date 15/12/36 Signed *JMD.*

