

THE SUNDERLAND FORGE & ENGINEERING COMPANY, LIMITED.



TEST OF DIRECT CURRENT GENERATOR, SIZE 12"
and ENGINE, Size 8 x 4

Customer's Order No. 60846

Ship No. 738

For MESSRS. Installation Department for Sir James Laing & Sons Ltd.
110 Volts 227 Amps 25 K.W. 685 Revs.

OUTPUT PLATE
STAMPED

Continuous Rating Compound Wound, No. F.9048 Date 1941
100 lbs. / sq. in. Exhaust.

Engine No. F.9047 Steam Pressure

Engine No. F.9047		Steam Pressure		100 lbs. / sq. in.		Exhaust		Remarks
Time	Speed R.P.M.	LINE		SHUNT		Stm. Pres. lbs./sq. in.	Oil Pres. lbs./sq. in.	
		Volts	Amps.	Volts	Amps.			
TEMPERATURE RUN.								
8-0	685	110	227	85	4.56	100		Temps. taken A.
8-30	685	110	227	85	4.52	100		
9-0	685	110	227	85	4.49	100		
9-30	685	110	227	85.5	4.49	100		
10-0	685	110	227	86	4.48	100		
10-30	685	110	227	85	4.43	100		
11-0	685	110	227	85	4.41	100		
11-30	685	110	227	85	4.4	100		
12-0	685	110	227	85	4.4	100		
25% OVERLOAD.								
12-30	685	110	284	84	4.43	120		Temps. taken B.
1-0	685	110	284	85	4.42	120		
1-30	685	110	284	85	4.39	120		
2-0	685	110	284	85	4.35	120		
2-30	685	110	284	85	4.33	120		
	718	110	0	84	4.55	115		
	685	110	227	84	4.57	100		No load. Full load.
Fahrenheit at Air Temperature A:— 78 B:— 74								

Temperature Rise in degrees Fahrenheit at Air Temperature						A :—	78	B :—	74		
Armature	A	B	Commutator	A	B	Shunts	A		B		
	59	72		51	64		49		47		
Series	39	46	Interpoles	20	26	Crankcase Oil	74		69		
High Pressure Test						2000		Volts for		1 minute.	
						Insulation Resistance		100		Megohms.	

Date of Test 3-9-41

Signed

MP.

002442-002448-0214

Lloyd's Register
Foundation