

CROMPTON PARKINSON LIMITED.

EXTRACT OF TEST.

Customer Messrs. Robey & Co. Ltd., Order No. 217005F.
 Description of Machine COMPOUND GENERATOR. M/c No. F122A890.
 Input—Volts. Amps.
 Output—Volts 110 Amps. 136 K.W. 15 Phase
 B.H.P. Speed 550 Periods
 Date of Test 10.11.42 Present Mr. Ansell.

TIME.	SPEED	VOLTS	AMPS.	SHUNT VOLTS	SHUNT AMPS.	
	565	53	0	36	.85	N.L. Reg: all in
	550	98	153	66	1.55	F.L. " " "
	550	132	114	132	3.1	F.L. Reg: all out.
	550	99	136	67	1.58	F.L. Reg: all in
	565	110	0	84	1.96	
8.30	550	111	136	85	1.98	
9.30	550	110	136	90	1.96	
10.30	550	110	136	93	1.96	
11.30	550	110	136	94	1.96	
12.30	550	110	136	94	1.96	
1.30	550	110	136	94	1.96	
2.30	550	110	136	94	1.96	
	555	113	102	97	2.03	$\frac{3}{4}$ Load
	560	115	68	99	2.06	$\frac{1}{2}$ Load
	565	110	0	94	1.96	N.L.
	550	115.5	130	102	2.13	
	550	93.5	160	64	1.36	Reg: all in
	550	126	119	126	2.67	" all out
	550	110	204	105	2.23	50% OL for 1 Min:
3.0	550	110	170	94	2.02	
4.0	550	110	170	96	2.02	
5.0	550	110	170	97	2.02	

Effy: FL 86.9% $\frac{3}{4}$ L. 87.65% $\frac{1}{2}$ L. 87.3%

Resistances (Ohms)

(Hot) Armature .035 Shunt 47.9 Series .0104 IP .0176
 Temperatures taken at 2.30 & 5.30 Atmosphere C

Atmosphere 20° 20°
 Stator core Interpoles 52° 53° C
 Stator winding Armature 53° 55° C
 Rotor winding Field 45° 46° C
 Sliprings Comm. 47° 49° C
 Insulation resistance when hot (Megs) 25
 Flash Test 2000
 Date 20.11.42
 Signed