

ST MARK 53378
CROMPTON PARKINSON LIMITED.

EXTRACT OF TEST.

Order No. 224726/1F.
M/C No. F272A277.
Exc. No.
Customer The National Gas & Oil Engine Co.
Customer's Order No. Govt. Contract No.
Description of Machine Compound Generator.
Input-Volts Amps Output Volts 110 Amps 45.5 Date of Test 1/5/44.
BHP Phase KW 5 PF Speed 1100 Periods
Present Mr. Craven. KVA

TIME.	SPEED.	VOLTS.	AMPS.	SHUNT VOLTS.	SHUNT AMPS.	
	(1130	99	0	65	1.5	
7.40	(1130	110	0	79	1.78	
	(1100	110	45.5	79	1.78	
8.40	1100	110	45.5	88	1.78	
9.40	1100	110	45.5	91	1.78	
10.40	1100	110	45.5	92	1.78	
11.40	(1100	110	45.5	92	1.78	
	(1100	110	45.5	92	1.78	
	1130	110	0	92	1.78	
	1100	110	57	93	1.8	25% OL.
	1100	110	68	94	1.83	50% OL.
	1100	110	34	90	1.74	$\frac{3}{4}$ L.
	1120	110	23	88	1.7	$\frac{1}{2}$ L.
DW	1100	124	2.07	(Arm: amps) = 256 watts.		

Effy. FL. 81.05%. $\frac{3}{4}$ L. 81.2%. $\frac{1}{2}$ L. 79.5%.

Resistance (Ohms).

(Cold) Armature .13 Series .03 IP. .069.
(Hot) " .15 " .041 " .083.

Temperatures taken at 11.40 am. Atmosphere 20° C.

Stator core Interpoles 43° C.

Stator winding Armature 51° C.

Rotor winding Field 50° C.

Sliprings Comm 45° C.

Insulation resistance when hot (Megs) Over 100.

Flash Test 2000 volts to earth.

Date 11/5/44. Signed

Form No. H. 6/10,000/D.O. 10210/E.N.M.

OSURE
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Foundation
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