

TEST SHEET

Type **Alternator.**

5

No. of cranks 5

HEET

Development.	Size	Order No.	Sanction No.	Engine No.	Test No.	Date
	5VPH	12/490182	12/800042/19	282307 ✓	71255	18:1:50

S.G. .843	Viscosity at 100	Brake Constant Weight Brake	Generator K.W. 50 kW Macfarlane.
°F = 33	Secs	Brake	Alternator K.V.A.

Brake Load		B.H.P.	Fuel		Lub. Oil	Water °F		Shop	Exhaust Temperatures in °F							
Volts.	Amps.	K.W.	lbs.	ozs.	Pressure	Inlet	Outlet	Temp.	1	2	3	Oil cooler	5	6	7	8
												In	Out			
440	65.6	50	START		33		120	62			600					
		50	15.4		33		128	62			600	95	88			
440	65.6	50	15.3		33		133	60			600	95	88			
		50	15.1		33		135	60			600	100	90			
440	65.6	50	15.0		33		135	58			600	104	93			
		50	14.14		33		139	58			600	105	94			
440	65.6	50	14.14		33		140	58			600	106	95			
		50	14.14		33		140	56			600	106	95			
440	65.6	50	14.13		33		143	56			600	108	96			
		50	14.12		33		143	57			600	108	96			
440	65.6	50	14.12		33		146	57			600	107	96			
		50	14.12		33		145	57			600	108	96			
440	65.6	50	14.11		33		145	57			600	108	96			
440	72.16	55	START		33		140	57			650	106	95			
		55	16.12		33		142	58			660	106	95			
440	72.16	55	16.10		33		142	59			660	106	95			
Heat Exchanger					No.96136											
Oil Cooler.					No.96133											

10% Overload	Full Load	$\frac{3}{4}$ Load	$\frac{1}{2}$ Load	$\frac{1}{4}$ Load	Tested by	Signed by
.602	.595	-	-	-	L. Brown.	J. H. Addison.
lbs.	lbs.	lbs.	lbs.	lbs.		

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Foundation

008628-008633-0130

Volts 50 Mins Brushes 4-5" x 8" 3MBU 4-5" x 8" ECL2K

VALVE SETTINGS				TAPPET CL	
Air Valve	Opens	10	°Bef T.D.C. and Closes	46	°Past B.D.C.
Exhaust Valve	„	39	°Bef B.D.C. „ „	23	°Past T.D.C.
Starter Valve	„		°Bef T.D.C. „ „		°Bef B.D.C.
Fuel Pump Setting			Injection Commences		°Bef T.D.C.

	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No.
Fuel Pump Type	BPR 5B 100 @ 300/ 3054					
Fuel Pump Numbers	1552	39				
Atomiser Numbers	4401	4326	4508	4443	4119	
Bumping Clearance						
No. of Plates						

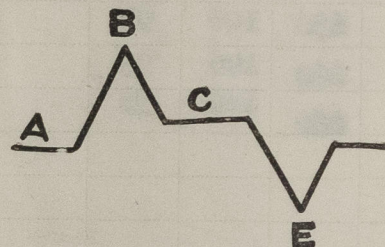
GENERAL REMARKS Alternator temps. after 6 hrs full load. Lloyds Numbers.

Alternator No. 30730
 Rotor 110°F
 Field Stator. 92°F
 Slip Rings 112°F

Exciter No. 30730E
 Comm. 120°F
 Armature W 116°F
 Shunt Winding 110°F

Air Temperature 65°F.

Housing No. 282307. 15:8:49 E.C.M.
 Crankshaft. LL 3153e 23:2:49 T.D.
 Conn Rods 1. LL2693 2. LL2688 3. LL
 4. LL2690 5. LL2691.



A	Working Load R.P.M.	1000
B	R.P.M. Working Load suddenly thrown off (Temporary)	1090
C	R.P.M. No Load. (Permanent)	1040
E	R.P.M. Working Load suddenly put on (Temporary)	960

Idling Speed



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