

TEST SHEET

Type **Alternator.**

No. of cranks **5**

SHEET

Development.

Size

5VPH

Order No.

12/490180

Sanction No.

12/800012-17 282305

Engine No.

282305

Test No.

71253

Date

18:1:50

S.G. **.843**

Viscosity at **100**

Brake

Constant

Dial. Ins.

Generator K.W. **30728**

50 kW Macfarlane.

°F = **33**

Secs

Alternator K.V.A.

Brake Load		B.H.P.	Fuel	Lub. Oil Pressure	Water °F		Shop Temp.	Exhaust Temperatures in °F							
Volts.	Amps.	K.W.	lbs. ozs.		Inlet	Outlet		1	2	3	4	Oil cooler			8
440	65.6	50	-	36		124	62°			620°		IN	OUT		
440	65.6	"	15.5	36		140	62			"		84	78		
440	65.6	"	15.4	35		141	60			"		94	88		
440	65.6	"	15.3	35		136	60			"		98	91		
440	65.6	"	15.1	35		136	60			"		100	92		
440	65.6	"	14.15	35		136	60			"		100	92		
440	65.6	"	14.15	35		136	58			"		102	93		
440	65.6	"	14.14	35		136	57			"		102	93		
440	65.6	"	14.14	35		136	57			"		103	95		
440	65.6	"	14.12	35		136	57			"		103	95		
440	65.6	"	14.13	35		138	57			"		103	95		
440	65.6	"	14.12	35		136	57			"		103	95		
440	65.6	"	14.12	35		136	57			"		103	95		
440	72.16	55	-	36		145	57			640		103	95		
440	72.16	65	16.11	36		143	58			660		108	100		
440	72.16	55	16.8	35		143	58			670		109	100		

Heat Exchanger No. **96137.**

Oil cooler. No. **96135.**

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

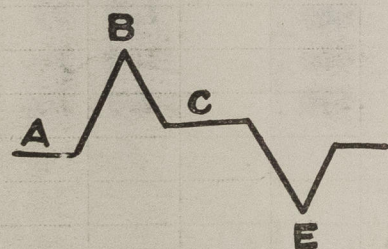
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VALVE SETTINGS				TAPPET CL	
Air Valve	Opens	10	°Bef T.D.C. and Closes	44	°Past B.D.C.
Exhaust Valve	„	42	°Bef B.D.C. „ „	21	°Past T.D.C.
Starter Valve	„		°Bef T.D.C. „ „		°Bef B.D.C.
Fuel Pump Setting			Injection Commences		°Bef T.D.C.

	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No.
Fuel Pump Type	BFB 5 B 1000 300/ 3854					
Fuel Pump Numbers	2122 JQ					
Atomiser Numbers	3944	4308	3775	4630	3955	
Bumping Clearance						
No. of Plates						

GENERAL REMARKS Alternator temp. after 6 hrs. Full Load.
 Alternator No. 30728 Exciteg No. 30728E.
 Rotor 112°F. Air 65 F.
 Field Stator 94°F. Commutator 120°F.
 Slip Rings. 112°F. Armature Winding 116°F.
 Shunt Winding 112°F.

Lloyds Numbers.
 Housing 282305 9:1:50
 Cranksaft LL 3140 16:2:1
 Conn Rods LL2696 2. LL2696
 4. LL2697 5. LL2697



A	Working Load R.P.M.	1000
B	R.P.M. Working Load suddenly thrown off (Temporary)	1080
C	R.P.M. No Load. (Permanent)	1045
E	R.P.M. Working Load suddenly put on (Temporary)	950
	Idling Speed	