

TEST SHEET

Type Alternator.

No. of cranks 5

SHEET

Development.	Size 5VPHZ	Order No. 12/49018 ₁	Sanction No. 12/800012-18	Engine No. 282306	Test No. 71254	Date 18:1:50
S.G. .843	Viscosity at 100 °F 33	Brake Constant W X N Dia. Ins.		Generator K.W. 50 kW MacFarlane. 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	4	Oil cooler.		7	8
440	65.6	50	-	35		125	62			600°		IN	OUT		
			15.0	35		128	62			610		100	90		
440	65.6	50	14.14	33		135	60			610		100	91		
			14.13	33		140	60			620		104	94		
440	65.6	50	14.12	33		139	58			620		103	94		
			14.12	33		139	58			620		105	96		
440	65.6	50	14.12	33		140	57			620		105	96		
			14.11	33		149	56			620		105	96		
440	65.6	50	14.11	33		140	57			620		104	96		
			14.11	33		140	57			620		104	96		
440	65.6	50	14.12	33		140	57			620		104	96		
			14.12	33		140	57			620		106	97		
440	65.6	50	14.12	33		140	57			620		106	97		
440	72.16	55	-	33		140	57			640		106	97		
			16.12	33		140	58			665		106	97		
440	72.16	55	16.9	33		142	59			675		108	99		

 Heat Exchanger No. 96138
 Oil Cooler. No. 96134.

10% Overload .606	Full Load .59	3/4 Load -	1/2 Load -	1/4 Load -	Tested by G.H. Winn	Signed by J.E. Addison.
lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	

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Lloyd's Register
Foundation

008628-008633-0129

Volts 50

Mins

Brushes

4-5" X 8" 3000 4-5" X 8" R012K

VALVE SETTINGS

Air Valve Opens

8

°Bef T.D.C. and Closes

41

°Past B.D.C.

.00

Exhaust Valve "

41

°Bef B.D.C. " "

21

°Past T.D.C.

.00

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

Fuel Pump Type

BPE 5B 100 @ 300 /3554

Fuel Pump Numbers

1605

JQ

Atomiser Numbers

4285

4014

4168

4448

4159

Bumping Clearance

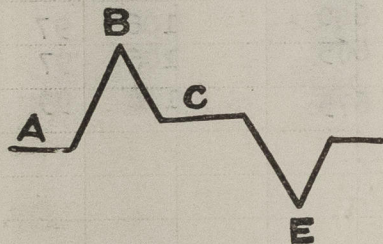
No. of Plates

GENERAL REMARKS

Alternator Temps. after 6 hrs. full load.
 Alternator No. 30729. Exciter No. 30729E
 Rotor 112°F. Commutator 118°F
 Field Stator 96°F Armature W. 118°F
 Slip Rings. 114°F. Shunt Winding 110°F.
 Air Temp. 65 F.

Lloyds Numbers.

Housing 282306 9:1:50 T.D.S.
 Crankshaft LL 3139 16:2:49 T.D.S.
 Conn Rods 1.LL2696 2.LL2687 3.LL2693
 4.LL2688 5.LL2688



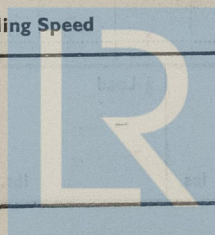
A Working Load R.P.M.

B R.P.M. Working Load suddenly thrown off (Temporary)

C R.P.M. No Load. (Permanent)

E R.P.M. Working Load suddenly put on (Temporary)

Idling Speed



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 Foundation
 Passed by