

T.S. 3682

Page 6561

**W. H. ALLEN, SONS & CO., LTD.**

A

DATE 31.10.35.  
1.11.35.

DYNAMO. TEST SHEET.

W. No. E1/54606

CUSTOMER: The Forestal Land Timber Co.

DESTINATION:

South America

M.V. "AGVILA"

DUTY: Oil Engine Generator.

TEST: Official

SPECIFICATION: RATING 63 °F. 6 HOURS. O.L. 10% 2 HOURS. % Mom. COMPDG.

K.W. or ~~HP~~ 25 VOLTS. 110 R.P.M. 450 AMPS. 227

SIZE &amp; TYPE: FRAME D.M.10 TYPE OT. No FAN AND BAFFLE

WINDING Compound and Interpole. Gov. RANGE 3 1/2% HAND R.H.

NATURE OF TEST: On own engine.

GEN. ARRG. No. E/99607

SWITCHGEAR E.A.Co. Regulator No.278188.

PAGE

DIAGRAM No. E/97887

TEMPERATURES: Hours run 20 Atmos. 62 °F

AIRGAPS 1 2 3 4 5 6

M/c Ref. E1/54606

Main P. .129

Run as Dynamo

Temps: after

at R.p.m. 450

20 hours at: 62 °

Armt. 227 A. 110 V. A. V.

Shunt 5.1 91

Arm. Iron °F. °F. 120 °F. 58 °F.

,, Coils 118 56

Comm. 100 38

Sh. Coils 120 58

Se. Coils 120 58

I.P. Coils 124 62

*In m/v AGUILA II*

*Attached to London Report*

*of 20/11/35.*

BRUSH READINGS

COMMUTATION

at % O.L.

INSUL. RESIS. 40 megs.

BRUSH GEAR. Arms.

4

Brushes per Arm. ...

3

Size ... 1 1/4 x 5/8

Grade ... EG. 6345

Position ... 1 seg: fwd:

Pressure ... 1st. notch.

PRESS. TEST. Volts. ... 2000

Minutes ... 2

Certificate of Test Results for Lloyd's Register



© 2021

Lloyd's Register

for W. H. A., Sons &amp; Co., Ltd.

INSPECTED BY MR. LAING.  
MR. MILLIKAN.

TESTED BY

L.W. RABBITT

SIGNED

014899-014911-0126



Arm. Field.						Arm. Field.					
Time.	Volts.	Amps.	Volts.	Amps.	Revs.	Volts.	Amps.	Volts.	Amps.	Revs.	
90	142	54	3.5	450	Reg:all in )	110	227	82	5.0	450	F.L. S
127	194	127	7.6	450	Reg:all out ) F.L.	120	0			480	F.L. o
135	0	135	8.3	450	Reg:all out ) N.L.	110	0	91	5.2	465	N.L. S
30	0	15	1.2	450	Reg:all in )	98				440	F.L. o
P.M.						110	227	82	5.0	450	F.L. S
4.00	110	227	82	5.0	450	Governing.					
4.30	110	227	84	5.0	450	110				450	F.L. S
5.00	110	227	84	5.0	450	120				475	F.L. o
5.30	110	227	86	5.0	450	110				465	N.L. S
6.00	110	227	88	5.0	450	105				445	F.L. o
6.30	110	227	90	5.0	450	112	162			452	3/4
7.00	110	227	90	5.0	450	113	110			455	1/2
7.30	110	227	90	5.0	450	111	75			460	1/4
8.00	110	227	90	5.0	450	110	0			465	N.L.
8.30	110	227	90	5.0	450						
9.00	110	227	90	5.0	450						
9.30	110	227	91	5.1	450						
10.00	110	227	91	5.1	450						
A.M.											
8.00	110	227	91	5.1	450						
10.00	110	227	94	5.2	450						
12.00	110	227	94	5.2	450						
12.45	110	250	90	5.5	450 )						
1.45	110	250	94	5.0	450 ) 10% overload.						
2.45	110	250	94	5.0	450 )						
30	0		2.5	450	Reg:all in ) N.L.)						
133	0		7.5	450	Reg:all out ) Hot Regulation.						
85	160		2.8	450	Reg:all in ) F.L.)						
127	175		7.2	450	Reg:all out )						



© 2021

Lloyd's Register  
Foundation