

W. SISSON & CO., LTD., ENGINEERS, GLOUCESTER

LOG SHEET OF TEST ON SISSON ENGINE No. 3531.

SPECIFIED

ENGINE SB. 4 $\frac{1}{2}$ CYLINDER 4" Dia. STROKE 2 $\frac{1}{2}$ "
 STEAM PRESS 100-lbs. EXHAUST Atmos. freely R.P.M. 500.
 NORMAL FULL LOAD 4 B.H.P.
 OVERLOAD 20% and 25% for two hours
 COUPLED TO 2 K.W. Messrs. Mawdsley's D.C. GENERATOR No. 45483.
 GENERATOR OUTPUT 2 AMPS. 110 VOLTS.
 TEST MADE at Messrs. W. Sisson and Company, Limited, Gloucester.
 ORDER OF Messrs. Scott and Sons, Bowling, Nr. Glasgow.

Time	Amps.	Volts.	K.W.	R.P.M.	Gauge Press at Engine	Exhst. Back Pressure (Gauge)	
1-30	18.2	110	2	500	100-lbs	Atmos	Full load.
2-30	18.2	110	2	500	100 "	"	" "
3-30	18.2	110	2	500	100 "	"	" "
3-35	22.	110	2.4	495	100 "	"	20% Overload.
4-35	22.	110	2.4	495	100 "	"	" "
5-20	22.	110	2.4	495	100 "	"	" "
7-45	23.	110	2.5	495	104 "	"	25% "
8-45	23.	110	2.5	495	104 "	"	" "
9-45	23.	110	2.5	495	104 "	"	" "
10-45	18.2	110	2.0	500	100 "	"	Full load. To test
11-45	18.2	110	2.0	500	100 "	"	" " bearings.

At Full and Overload a penny stood on edge on the Cylinder Cover...satisfactory

GOVERNOR TEST.

	Revs.	Volts	Revs.	Volts	W.P.	Exhst. Back Press (G'ge)
Full load steady	500	110				
Full load to no load momentary	540	125				
No load steady	515	110				
No load to full load momentary	495	95				
Full load steady	500	110				

TEMPERATURES (FAH.) TAKEN AT 5.25

Atmosphere = 60° Armature = 82° Commutator = 85°
 Shunt Fields = ° Series Fields = ° Interpoles = °
 Crankchamber Oil = 110° Available Oil Press = 45 lbs.

Engine shut down at 9-45 Main bearing brasses, Connecting rod brasses, and Eccentric strap stripped, examined, found satisfactory and reassembled. Then run for one hour on full load.

After the second test run Piston, Cylinder, Piston Valve and Valve chest examined, found satisfactory and greased ready for despatch.

Valve Travel { No load =
 Overload =

35. Compsd. and L.P.I.

Free Length

Signed T.M. (WM) Inspector

Signed J. Mills and B. Griffin for Test Engineer.

Date 19.11.35.