

E. READER & SONS, Ltd., HIGH SPEED STEAM ENGINE SPECIALISTS, NOTTINGHAM.

DIRECTORS: G. R. THURSFIELD, M. A. DOGGETT, G. S. RANGDALE.

TEST RECORD OF ENGINE NO. 15406 SIZE REF.S.F.6. DATE 9/10/35

COUPLED TO

20 FEB 1936

Generator No. F.102A1088 Winding Comp.

Brake Dynamometer.

Volts 110

K.W. 7.5

Dia. to Centre of Brake Rope

TIME OF DAY	STEAM PRESSURE LBS. SQ. IN. AT ENGINE STOP VALVE	REVS. PER MIN.	VOLTS.	AMPS.	K.W.	WEIGHT IN LBS.			B.H.P.	Indicator Diagram Nos.	I.H.P.	BACK PRESS. LBS. SQ. IN.	VACUUM IN INCHES MERCURY	STEAM CONSUMPTION IN LBS.	
						TOP BALANCE	BOTTOM BALANCE	NETT						TOTAL	PER B.H.P. HR.
9. 0	100	499	110	68	7.4										
9.30	100	500	109	67	7.3										
10. 0	105	499	110	68	7.4										
10.30	105	498	109	67	7.3										
11. 0	105	499	110	68	7.4										
11.30	100	500	109	68	7.4										
12. 0	105	499	110	67	7.3										
12.30	100	499	109	68	7.4										
1. 0	105	498	109	68	7.4	Cylinder tested hydraulically to 200 lbs per sq. inch.									
1.30	100	499	110	69	7.5										
2. 0	110	500	110	69	7.5										
2.30	105	499	109	68	7.4										
3. 0	100	500	110	68	7.4										

GOVERNOR TEST.

Speed at Full Load	499	R.P.M.	Speed at no Load	513	R.P.M.
Voltage Variation		3			
Speed at no Load	514	R.P.M.	Speed at Full Load	500	R.P.M.
Voltage Variation		4			

PARTICULARS TAKEN AT END OF TEST.

Temperature of Oil	100	°F	Max. Oil Pressure	35	Lbs. Sq. Inch.
Temperature of Armature Windings	103	°F	Temperature of Field Coils	107	°F
Temperature of Commutator	99	°F	Temperature of Atmosphere	64	°F

Remarks

Signed

002659-002666-0098

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system