



THE SUNDERLAND FORGE & ENGINEERING COMPANY, LIMITED.

TEST OF DIRECT CURRENT GENERATOR, SIZE 14" x 11" AND ENGINE, SIZE Order 63W.107

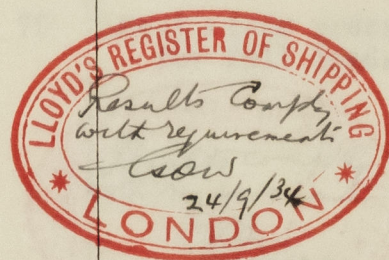
For MESSRS. WILTONS ENG. & SLIWAY CO. for ANGLO SAXON PETROLEUM CO.

OUTPUT PLATE } 110 Volts 146 Amps 16 K.W. 390 Revs.
STAMPED } Continuous Rating Compound Wound, No.F.2775 Date 1934.

Engine No. - Steam Pressure - lbs. per sq. inch.

READINGS DURING TEST.

me	Speed R.P.M.	LINE		SHUNT		Stm. Pres. lbs./sq. in.	DATE OF TEST 15-8-34
		Volts	Amps.	Volts	Amps.		Remarks
TEMPERATURE RUN.							
5 a.m	390	110	146	88.0	3.12		
	390	110	146	93.0	3.17		
	390	110	148	92.5	3.13		
	389	110	144	92.5	3.05		
	391	110	146	93.0	3.05		
5 p.m	391	110	146	93.0	3.04		
	390	110	146	93.0	3.03		
	390	110	146	93.0	3.03		
	390	110	146	94.0	3.00		
	390	110	143	94.5	3.02		
	389	110	149	97.0	3.07		
	390	110	147	97.0	3.07		
	389	110	147	97.0	3.07		Temperatures taken.
	406	113.5	0	100	3.27		Light Speed.
TEST ON SPARE ARMATURE F.2785. 16-8-34							
p.m.	390	110	146	80.0	2.87		
p.m.	392	110	145	87.0	2.79		
Armature Temperature Rise - 46°F. Commutator Temperature Rise - 42°F.							
<div>LLOYD'S REGISTER OF SHIPPING Results Comply with requirements as per 24/9/34 LONDON</div>							



Temperatures taken by thermometers	Armature	Commutator	Shunt Coils	Series Coils	Interpole Coils
Maximum Temperature recorded	120	105	116	112	-
Temperature	70	70	70	70	-
Temperature Rise in Degrees F.	50	35	46	42	-
High Pressure Test on Generator	Before Temperature Run		After Temperature Run		
	2000 Volts for 1 min.		2000 Volts for 1 min.		
Insulation Resistance of Generator	4.5	Megohms	Infinity	Megohms	

Date 21/9/34

Signed J.W.D.

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