

Copy of.

MAR 15 1938

D.C. TEST SHEET.

Order No. 62091

Date Aug. 27th 1937

Shunt

Series

Compound

Dynamo

with Interpoles.

Motor

Split Frame, and Pedestals.

Type O.P.I. 4 Pole

2 Pedestal Bearings.

Volts 110.

H.P. K.W. 10.

R.P.M. 400.

N.L.
Amps. F.L. 91.

| Mechanical Details. | Brush Particulars. | Windings. | Nameplate Particulars. |
|--------------------------------------|------------------------------------------|------------------------------------|------------------------------|
| Lubrication <u>Ring</u> | Brush Holder <u>N° 11</u> | Armature Series Parallel | Stamford Electrical Co. Ltd. |
| Shaft Diameter <u>2</u> | No. of Arms <u>4</u> | S.W.G. <u>OK</u> | Machine No. <u>30968</u> |
| Pinion <u>1/2 Coupling</u> | Brushes per Arm <u>3</u> | Turns per Section | Volts <u>110</u> |
| Pole Piece <u>Lam.</u> | No. of Comm ^r Bars <u>142</u> | S.W.G. | H.P. <u>10</u> |
| Enclosure <u>O.P.</u> | Carbons <u>12 N° 11/57</u> | Field lb. per pole <u>OK</u> | Amps <u>91</u> |
| Rails | | S.W.G. | R.P.M. <u>400</u> |
| Rotation looking at <u>7</u> | | Interpole Turns per pole <u>OK</u> | Rating <u>Cont.</u> |
| Commutator End <u>Anti-Clockwise</u> | | S.W.G. | Type <u>R.N.II</u> |
| Terminal Box No. <u>3</u> | | Compound Turns per pole <u>OK</u> | Armature No. <u>26044</u> |

| Time. | Volts. | Amps. | R.P.M. | Shunt Current. | Final Temperature after 4 Hrs. F.L. Heat Run | Resistances. |
|----------------------|------------|-----------|------------|----------------|----------------------------------------------|-----------------------------------------------|
| Light Load | | | | | Average Air Temp. <u>69</u> | Temp. °F. Rise F. Cold ohms. After Test ohms. |
| | <u>110</u> | <u>-</u> | <u>370</u> | <u>3.9</u> | Armature | <u>138</u> <u>69</u> |
| | <u>110</u> | <u>91</u> | <u>370</u> | <u>3.9</u> | Shunt Coils | <u>138</u> <u>69</u> |
| With Shunt Regulator | | | | | Interpole | <u>135</u> <u>66</u> |
| Start | <u>110</u> | <u>91</u> | <u>400</u> | <u>3.0</u> | Commutator | <u>137</u> <u>68</u> |
| 1 Hr. | <u>110</u> | <u>91</u> | <u>400</u> | <u>3.0</u> | Insulation Test <u>5</u> Megohms. | |
| 2 | <u>110</u> | <u>91</u> | <u>400</u> | <u>3.1</u> | Windings flashed | |
| 3 | <u>110</u> | <u>91</u> | <u>400</u> | <u>3.2</u> | on <u>2000</u> Volts A.C. | |
| 4 | <u>110</u> | <u>91</u> | <u>400</u> | <u>3.4</u> | | |
| | <u>109</u> | <u>-</u> | <u>410</u> | <u>3.4</u> | | |

Tested by A. JamesDate of Despatch Aug. 30th 1937Inspected by L. H. B.

Remarks.

See Over.

W406-0262

WM BROADY & SON LTD

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