

TROUP, CURTIS & CO., LTD.,


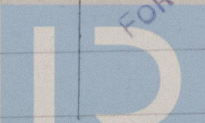
Electrical and General Engineers,
282 VICTORIA DOCK ROAD,
LONDON, E.16.

Date 8th August, 1935.

Test of Direct Coupled Generator..... Serial No. 308
Supplied to Blythwood Shipbdg. Co. Ltd. for Ship No. 35 ("ARGENTINE TRANSPORT").
Output:— K.W. 10 Volts 110 R.P.M. 400
Winding..... Compound. Rating..... Continuous.
Duration of Test—Full Load..... 6 Hours. 25% Overload..... 2 Hours.

	After Full Load Trial.	Temperature Rise	After Over Load Trial	Temperature Rise
Temperature of Air — <u>58° F.</u>				
„ „ Commutator — —	<u>108°</u>	<u>50°</u>	<u>118°</u>	<u>60°</u>
„ „ Armature — —	<u>116°</u>	<u>53°</u>	<u>122°</u>	<u>64°</u>
„ „ Series Coil — —	<u>102°</u>	<u>44°</u>	<u>110°</u>	<u>52°</u>
„ „ Shunt Coils — —	<u>121°</u>	<u>63°</u>	<u>121°</u>	<u>63°</u>
„ „ Interpoles — —	—	—	—	—

READINGS DURING TEST.

Time	Speed	Volts	Amperes	Remarks
<u>8-45 a.m.</u>	<u>400</u>	<u>110</u>	<u>93</u>	<i>Governing a compounding test made on board 7/8/35 & found satisfactory. Total load of installation 60 amps. Voltage full load 110 no load 110.</i>
<u>9-45 a.m.</u>	<u>400</u>	<u>110</u>	<u>91</u>	
<u>10-45 a.m.</u>	<u>400</u>	<u>110</u>	<u>91</u>	
<u>11-45 a.m.</u>	<u>385</u>	<u>103</u>	<u>88</u>	
<u>12-45 p.m.</u>	<u>400</u>	<u>110</u>	<u>92</u>	
<u>1-45 p.m.</u>	<u>400</u>	<u>110</u>	<u>92</u>	
<u>2-45 p.m.</u>	<u>395</u>	<u>108</u>	<u>89</u>	
<u>3-0 p.m.</u>	<u>395</u>	<u>109</u>	<u>112</u>	
<u>4-0 p.m.</u>	<u>395</u>	<u>109</u>	<u>114</u>	
<u>5-0 p.m.</u>	<u>395</u>	<u>109</u>	<u>117</u>	

High Voltage Test..... 2000 volts for one minute.
Insulation Test..... 10 Megohms (Reading taken after test).

FOR TROUP, CURTIS & CO. LTD.
S. Burney Ham

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Lloyd's Register Foundation

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