

METROPOLITAN-VICKERS ELECTRICAL CO. LTD.

CERTIFICATE OF TEST. *M.V. "DAPHNELLA"*

30th August 1938

FILE OF APPARATUS: D.C. ~~GENERATOR~~ MOTOR. DRIP-PROOF.

pe DY.1815

Serial No. (Machine 27650-B1
Armature -

lts 110

Cat. or Style No.

P., ~~XXXX~~ 2 Amps. 17.8 SPEED 1600

Req. No. G.O. D.081424

ating CONTINUOUS

S.O. No. M.V.D. 27650

CUSTOMER MESSRS. ALFA-LAVAL CO.LTD.

Customer's
Order No. S.734M

LOG OF RUN	Time	Volts Line	Amp. Line	Amp. Field	Speed	Rotation
13% load	9.50	110	20.3	1.03	1540	C
Run on 13% overload for half an hour						
13% load	10.20	110	20.3	0.85	1565	C
full load	10.20	110	17.8	0.84	1580	C
Run on full load for one hour						
full load	11.20	110	17.8	0.84	1590	C
Shut down, temperatures taken and neutral checked.						
full load		110	17.8	0.84	1600	C/CC
25% load		110	22.25	0.84	1580	C
No load		110	2.2	0.84	1740	C

TEMPERATURE RISE by thermometer after 1 1/2 hrs. run-after

Armature	35 °C	} Air. 15 °C	hrs. run
Commutator	20 °C		°C
Field Coils (M.P.)	17 °C		°C
" " (C.P.)	13 °C		°C

COMMUTATION. Very Good

High VOLTAGE TEST - Machine withstood. 1220 volts alternating.
between windings and earth for one min.

REMARKS. Insulation Resistance (hot) = 50 megohms

The above "equivalent heat run" has been found, as a result of numerous tests taken on this frame size, to give substantially the same heating results as a run on full load for an unlimited period.

HC/JCI

Certified

Carl Pollock

Engineer.

MOTOR FOR LUB. OIL PURIFIER. *ENG. N°3937*

