

# Lloyd's Register of Shipping.

FONDÉ EN 1760. REORGANISÉ EN 1834.

RECONNU PAR LA LOI SUR LA SÉCURITÉ DE LA NAVIGATION MARITIME  
(ARRÊTÉ MINISTÉRIEL DU 16 JUIN 1933).

M. ADAM,  
INSPECTEUR.

1 Enclosure.

7, Rue Van Stabel,



Dunkerque, 20th October, 1938

Référence

Dear Sir,

## AUXILIARY ELECTRIC D.C. MOTOR for M/V. "ZWEENA"

I beg to inform you that I have yesterday carried out tests at the Works of "Etablissements Becquart" at Lille on an electric motor of 14 1/2 H.P. not totally enclosed intended for the M/V. "ZWEENA" as per specification herewith enclosed passed by Messrs A Crepelle & Cie with the Etablissements Becquart.

Tests carried out were as follows:-

4 Hours test under normal load.  
Overload test at 50 %, 1 minute duration.  
Trial under 120 volts at normal load.  
Dielectric test at 2,000 volts applied during 1 minute  
Insulation resistance test.  
Output determination.

All these tests have given satisfactory results.

But the temperature rises measured on completion of the 4 hours test gave the following results:

Temperature at start 16° C.  
Temperature at end of 4 hours test:-  
Commutator 67° C.- Corresponding temperature rise 51° C.  
Winding 72° C. ----- D°----- 56° C.

As seen above, the temperature rises are in excess limited by the Rules (Electric Equipment.- Appendix 2. Clause 3)

I shall be glad to hear what is to be done in this connection

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(2)

I think it would be possible to increase the ventilation of the motor in order to reduce the temperature rise

Admitting that this modification be carried out, will it be necessary to renew the 4 hours test.

Your early instructions on the subject will oblige.

I remain, Dear Sir,

Yours faithfully,

A. Adam

The Secretary;

LONDON.



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Referred to the Chief Engineer Surveyor

*W.B.*

21 OCT 1938

REQUESTING EARLY REPLY

*W.B.*  
LONDON

I remain, Dear Sir,

Yours faithfully,

W.B.

Notwithstanding the fact that the temperature has  
been very high and the weather is very hot, the  
fact that the temperature is so high is a  
very good sign and it is a very good sign  
that the temperature is so high.

(S)

LONDON

W.B.

E.

INSPECTOR  
J. MACGEEHAN



GRAMMES: L.L.