

COPY

# LLOYD'S REGISTER OF SHIPPING

UNITED WITH THE BRITISH CORPORATION REGISTER

71, Fenchurch Street, London, E.C.3

Telegram: Committee, Fen. London

Telephone: Royal 2551 (6 Lines)

20th November, 1951.

Eng.

Dear Sirs,

"PAMIR" and "PASSAT"

Messrs. Howaldtswerke Engines Type F46A-6PU

I have to acknowledge receipt of your letter of the 29th ultimo, forwarding torsional calculations in respect of the above engines. In view, however, of the fact that these vessels are four masted barques, I shall be glad to learn whether these engines are intended for main or auxiliary propelling purposes.

In the latter case the submission of torsional vibration calculations for examination would not be required unless specially requested by the Owners.

If, however, these engines are for main propulsion the data to hand would be insufficient for examination of the torsional vibration characteristics, and for this work to be done the following additional particulars and plans would be required:-

1. A completed engine data sheet.
2. A detailed plan of the Crankshaft.
3. Detailed plans of straight shafting for each installation.
4. The firing order.

P. T. O.



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Lloyd's Register  
Foundation



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UNITED WITH THE BRITISH CORPORATION REGISTER

71, Fenchurch Street, London, E.C.3

The Firm's calculation sheets are being  
retained pending the receipt of your reply.

20th November, 1931.

Yours faithfully,

*Copy Noel*

"PAMIR" and "PASAT"  
Messrs. Howaldtswerke Aktiengesellschaft  
pro Secretary.

I have to acknowledge receipt of your letter  
of the 20th inst., forwarding torsional calculations  
in respect of the above engines. In view, however,  
of the fact that these vessels are for use as  
tugs, I shall be glad to learn whether these are  
intended for main or auxiliary propulsion.

In the latter case the submission of  
torsional vibration calculations for examination would  
not be required unless specially requested by the  
Owners.

If, however, these engines are for main  
propulsion the data to hand would be insufficient for  
examination of the torsional vibration characteristics,  
and for this work to be done the following additional  
particulars and plans would be required:-

1. A completed engine data sheet.
2. A detailed plan of the crankshaft.
3. Detailed plans of shafting leading for each  
installation.
4. The firing order.

F.T.O.