

COPY

# LLOYD'S REGISTER OF SHIPPING

UNITED WITH THE BRITISH CORPORATION REGISTER

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

Telegrams: Committee, Fen, London

Telephone: ROYal 3551 (6 Lines)

Enclosures.

29th July, 1952.

Ref: Eng.

Dear Sirs,

Sailing Ships "PAMIR" & "PASSAT"  
Propellers: Auxiliary Propelling Machinery.  
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I have to acknowledge the receipt of your letter of the 26th ultimo together with plans and copies of letters advised therein, also your further communication of the 24th instant, the contents of which have been carefully noted.

The revised design of propeller as shown on plan No. 000541 will be approved for a service speed of 350 R.P.M. while absorbing 714 Shaft Horsepower. Under these conditions the working stresses are estimated to be:-

Maximum Compressive Stress in Root Section  $5288 \text{ lbs/in}^2$ .  
Maximum Tensile Stress in Root Section  $4952 \text{ lbs/in}^2$ .

I return two copies of the plan herewith.

With reference to Messrs. Ostermann's letter of the 21st ultimo addressed to you, I shall be glad if you will indicate to the Firm that their calculated value of  $1180 \text{ kg/cm}^2$  compressive stress indicated on their plan No. 000531 is estimated to be  $1060 \text{ kg/cm}^2$ .

Torsional calculations covering the proposed replace propellers have come to hand from the Hamburg Surveyors, and for your information, I enclose a copy of a letter to-day addressed to that Port.

Yours faithfully,

The Surveyors,  
DUSSELDORF.

pro Secretary  
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Foundation