

COPY.

Lloyd's Register of Shipping.

71, Fenchurch Street, E.C.3.

Enclosure.

17th September, 1936.

Dear Sirs,

E.

I duly received your letter of the 10th instant, with plans advised therein of crank shafts for Messrs. Deutsche Werft A.G., Hamburg, Yard Nos. 201/2/3/4, Messrs. Deschimag, Bremen, Yard Nos. 571/2, and engines proposed by Messrs. Wilton-Fijenoord, Schiedam, for Messrs. Standard Oil Co. California, U.S.A., and with regard thereto I have to inform you as follows:-

Deutsche Werft A.G., Hamburg, Yard Nos. 201-4.
Messrs. M.A.N., Main Engines Nos. 690160-190.

With 2 SCSA oil engines for main propelling purposes, having 8 cylinders, diameter 680 mm., stroke 1200 mm., span of bearings 925 mm., revolutions per minute 115, maximum pressure in cylinders 45 Kgs per sq. cm., M.I.P. 5.6 Kgs per sq. cm., B.H.P. 4100, weight of flywheel 3400 Kgs., and diameter of flywheel 2100 mm., the following sizes of shafting will be approved, viz:-

Crank.....460 mm. diameter.
Flywheel.....460 mm. diameter.

The plans showing details of M.E. crank shaft, scavenge pump crank shaft and flywheel shaft will also be approved, and one set of these plans is returned herewith.

It is noted that the minimum ultimate

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tensile strength of the steel for this M.E. crank shaft is 48 Kgs per sq. mm.

Messrs. Deschimag, Bremen, Yard Nos. 571/2.
Messrs. M.A.N. Auxiliary Engines Nos. 50040-090.

With 4 SCSA oil engines for driving auxiliary machinery, having 5 cylinders, diameter 220 mm., stroke 330 mm., span of bearings 258 mm., maximum pressure in cylinders 49 Kgs per sq. cm., M.I.P. 6.9 Kgs per sq. cm., B.H.P. 165, and revolutions per minute 440, the following size of crank shaft will be approved, viz:- 130 mm. diameter.

The plan showing details of crank shaft will also be approved, and one copy of this plan is enclosed herewith.

I may say it is noted that the minimum ultimate tensile strength of the steel for this crank shaft is 50 Kgs per sq. mm.

Messrs. Wilton-Fijenoord, Schiedam.
Messrs. M.A.N. Auxiliary Engines Nos. 500460-470.

With 4 SCSA oil engines for driving auxiliary machinery, having 6 cylinders, diameter 220 mm., stroke 330 mm., span of bearings 258 mm., maximum pressure in cylinders 49 Kgs per sq. cm., M.I.P. 7.1 Kgs per sq. cm., B.H.P. 160, and revolutions per minute 350, the following size of crank shaft will be approved, viz:- 130 mm. diameter.

The plan showing details of crank shaft will also be approved, and one copy of this plan is also enclosed.

I may add it is noted that the minimum

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ultimate tensile strength of the material for this crank shaft
is 50 Kgs per sq. mm.

I am, Dear Sirs,

Yours faithfully,

Secretary.

The Surveyors,

AUGSBURG.



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Foundation

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