

COPY.

Lloyd's Register of Shipping,

71, Fenchurch Street, E.C.3.

Enclosure.

21st December, 1936.

Dear Sirs,

E.

I duly received your letter of the 14th instant, with enclosures advised therein respecting Messrs. Wm. Doxford & Sons' Contract No. 640, and with regard thereto I have to inform you that with 2 SC opposed piston oil engines for main propelling purposes, having 3 cylinders, diameter 600 mm., stroke - upper 1340 mm., lower 980 mm., span between centre lines of side rods 1200 mm., revolutions per minute 108, maximum pressure in cylinders 40 Kgs per sq. cm., M.I.P. 88 lb. per sq. inch, B.H.P. 2500, weight of each flywheel 2 tons (2 off) diameter of each flywheel 7'- 6", GD² of each flywheel 20 tons ft.², diameter of propeller 15'- 9" and screw shaft with continuous liner, the following size of crank shaft will be approved, viz:-

Centre pins... 450 mm. diameter, with 150 mm. central hole.
Side pins and journals..... 450 mm. diameter.

The plan showing details of the crank shaft will also be approved, and two copies of this plan are returned herewith. It is noted that if dowel pins are dispensed with particulars of the shrinkage allowance will be submitted for consideration.

The following sizes of shafting are the

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minimum that could be accepted in order to comply with the
Society's Rules, viz:-

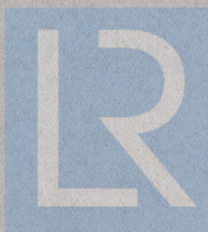
Centre pin of crankshaft.. 436 mm. diameter without central
hole.
Side pins and journals of crankshaft.. 418 mm. diameter
without central hole.
Intermediate shaft..... 308 mm. diameter.
Screw shaft..... 341 mm. diameter.

I am, Dear Sirs,

Yours faithfully,

Secretary.

The Surveyors,
SUNDERLAND.



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Lloyd's Register
Foundation

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