

COPY

for classⁿ (C) Sept 1954

LLOYD'S REGISTER OF SHIPPING

UNITED WITH THE BRITISH CORPORATION REGISTER

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

Telegrams: Committee, Fen, London

Telephone: ROYal 8561 (8 Lines)

Enclosure.

8th March, 1954.

Dear Sirs,

Messrs. Gebr. van Diepen - Yard No. 928.
Messrs. Werkspoor Main Engine No. 1682.

Eng.

I acknowledge the receipt of your letter of the 23rd ultimo forwarding plans and calculations in connection with the above and, in reply, have to inform you that with engines for main propelling purposes having particulars as stated below, the following sizes of shafting will be approved, viz:-

Sizes of Shafting:

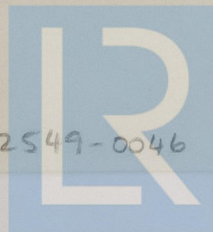
Crank (Pins 240 mm. with 125 mm.
(..... dia. central hole.
(Journals 245 mm. dia.
Thrust 230 mm. dia.

Particulars of Engines:

Engine Type	4 S.C.S.A.
No. of Cylinders	6
Diam. of Cylinders	330 mm.
Stroke	600 mm.
Span of Bearings	394 mm.
Revs. per Min.	325
Max. Press. in Cylinders	50 kg/cm. ²
M.I.P.	7.2 kg/cm. ²
B.H.P.	650
Weight of Flywheel	1145 kg.
Diam. of Flywheel	1400 mm.

The plans showing details of crankshaft and thrustshaft will also be approved.

Plan No. 850.260 - 12011 of Seamless Starting Air Receiver will be approved for a working pressure of 30 kgms. per sq. cm., provided the air receiver be constructed under the usual conditions of survey and testing.



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The torsional vibration characteristics of the shafting installation of the main machinery have been examined in conjunction with the Engine Builders' calculations and due note has been taken of the information contained in your letter under reply concerning the elasticity of the motor and propeller.

In the circumstances, the torsional vibration characteristics will be approved for a service speed of 325 R.P.M.

One copy of each plan and one set of the Firm's calculation sheets are returned herewith.

In view of the urgency of this case, I confirm having telegraphed you to-day, as under, and the receipt of your First Entry Report on this engine is now awaited:-

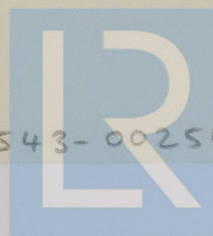
"REURLET 23RD FEBRUARY VAN DIEPEN'S YARD 928
PLANS APPROVED ALSO TORSIONALS SERVICE SPEED
325 RPM"

Yours faithfully,

pro Secretary.

The Surveyors,
AMSTERDAM.

c.c. Haren.



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