

Lloyd's Register of Shipping

Surveyor's office, Stockholm.

Postal and telegraphic address: Lloyd's Register, Stockholm, Rikstelefon no 4161 & 3342.

The 10th December 1919.

LLOYD'S REGISTER,
LONDON.

RECD 18 DEC 1919
The Secretary

ANSO 18 Lloyd's Register of Shipping,
71, Fenchurch Street,

L o n d o n, E.C. 3.

Dear Sir,

Re. Shafting, air receiver and spare gear for 220 B.H.P.
Polar Diesel Engine, Type P 4 K, also shaft and spare gear for aux.
compressor, Type H.L.P.².

I hereby respectfully beg to submit for approval the designs, in triplicate, of crankshaft, thrustshaft, propellershaft, crankshaft to aux. compressor, coupling, air receiver and list of spare parts for 220 B.H.P. Polar Diesel Engine, P.4.K. and for aux. compressor type H.L.P.² being constructed by Messrs. Aktieb. Atlas-Diesel, Stockholm.

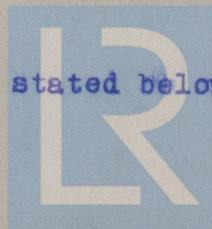
The type of these engines are Diesel two stroke cycle, reversible, with two manoeuvring cylinders, and their air compressors are two stage, placed on the manoeuvring cylinders.

The aux.compressor is to be driven by a 12 BHP Atlas hotbulb-motor with 475 rev. per minute.

This engine is estimated to give 220 B.H.P. at 230 rev. per minute.

The principal dimensions are as stated below:

Diam.of working cyl. 290 m/m.
Stroke 430 " .



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Number of working cyl.s 4.

Diam. of manoeuvring cyl. 425/215 m/m.

Stroke 330 m/m.

Diam. of H.P. Air compr. cyl. 65 m/m.

Stroke 330 "

Diam. of L.P. Air compr. cyl. 215 "

Stroke 330 "

The principal dimensions of the aux. compressor are:

Diam. of H.P. cyl. 30 m/m.

" " L.P. " 105 "

Stroke 200 "

The starting air receivers will be made of the welded type with a breaking strength of material of 23 tons per square inch as a minimum, and an elongation of at least 25 percent, measured on 8 inches gauge length.

The injection air receivers have been approved in Secretary's letter of the 12th August 1919.

As these shafts and the starting air receiver appear to be in accordance with the Rules, I have respectfully to submit the same for approval.

I am, Dear Sir,

Your most obedient Servant

cl. 3 lists of spare gear

blueprints in triplicate and ~~three lists of spare gear~~ for engine and aux. compressors are forwarded as commercial papers.

C. E. Jackson



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W1066-0050 1/2

Referred to the Chief Engineer Surveyor.

from the 1950s

I am, Dear Sir,

[illegible]

The first thing I noticed when I stepped out of the car was the cold, crisp air. It felt like a fresh blanket after a long, hot summer. I took a deep breath, savoring the scent of pine and the distant sound of waterfalls. The world seemed so different here, so much more alive and vibrant. I couldn't help but smile, feeling a sense of peace and wonder that I hadn't experienced in a long time.

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910x18 " " . G.I. " 202 " SOS "

DATE OF N.B. CT. 20 MAR.

230

230

[illegible]

230 III.

2's of increasing GAT. 452/ST2 w/u.

REACTANTS OF MOLECULAR WEIGHT 4.

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