



TELEGRAMS: "REGISTER" KOBE

TELEPHONE: 2530 SANNOMIYA

COPY

LLOYD'S REGISTER OF SHIPPING

MEIKAI BUILDING

No. 32, AKASHI MACHI,

KOBE, 19th January 1938.-

The Surveyors,
SHANGHAI

M/S "HAI KWANG" & M/S "FU KWANG"
New 30 B.H.P. dynamo Engines made by
Kolusin Dock Co., Shanghai.

Dear Sirs,

In reply to your letter of 14th and 25th December last submitting for consideration plans in quadruplicate of the above engines, I have to say that the plans have been examined and that with 4 S.C.S.A. heavy oil engines for auxiliary purposes have two cylinders, 146 m/m diameter by 200 m/m stroke, span of bearings 190 m/m, maximum and mean indicated pressures in the cylinders 700 lb/in² & 90 lb/in² ^{respectively} and developing 30 B.H.P. at 300 R.P.M., the size of crankshaft, as fitted, viz. 800 m/m diameter meets the requirements of the Rules.

It is noted that these engines have been built in Shanghai and have not been built under Special Survey but that a number of test pieces are available and that these will be tested under your supervision.

It is also noted that hydraulic test of the engine and

air compressor cylinder jackets will be carried out to your satisfaction. In the circumstances it is considered that, provided the results of the tests are satisfactory, these engines might be fitted in the above vessels classed with this Society and their acceptance be submitted for the favourable consideration of the Committee.

With reference to the air receivers, I have to say that the scantlings of the dished in ends do not meet the requirements of the Rules for the proposed working pressure and, as no particulars of the origin and test of the materials have been submitted, these receivers cannot be accepted.

The following plans have been examined and the scantlings, as shown thereon, are such as could be accepted.

| | | |
|-------------|---------|----------------|
| Drawing No. | 1008A | Piston |
| " | " 1002 | Main Bearing |
| " | " 1006A | Cylinder Liner |
| " | " 1007A | Connecting Rod |
| " | " | Crank Shaft |
| " | " 1204A | Cylinder Frame |
| " | " 1201A | Crank Case |
| " | " 1009A | Cylinder Head |

Arrangement of engine and compressor

Compressor Crankshaft

| | |
|---|---------------------------|
| " | Piston and Connecting Rod |
| " | Cylinder |

Air receiver header

Two copies of each of the above plans are being returned under

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separate cover together with two copies of the plan of air receiver.

I am, Dear Sirs,

Yours faithfully,

SURVEYOR TO LLOYD'S REGISTER.



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Foundation
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