

COPY

Lloyd's Register of Shipping.

(UNITED WITH THE BRITISH CORPORATION REGISTER)

M-15817



Port

KOBE

23rd July, 1953.

This is to Certify that

J. NONOMURA

the undersigned Surveyor to this Society did at the request of

Messrs. Sabroe Co., Ltd., of Japan attend at the works named below, at the 20th June, 1953 and subsequently for the purpose of examining and testing of the following parts of the two sets (2) of "NH3 Refrigerating Machines for Refrigerating Cargoes" intended for the Ship No. 855 being built at Mitsubishi Heavy Ind., Reorganized Ltd., Kobe Shipyard & Engine Works Kobe.

Particulars of Ref. Machine are as follows:-

| | | |
|---------------|---------------------------------|-------------------------------|
| Capacity | 30,000 Kcal/Hr. | at cooling water temp. 32°C |
| Cylinder dia. | 150mm | and gas expansion temp. -28°C |
| Stroke | 125mm | |
| No. of cyl. | 2 for 1st stage 1 for 2nd stage | |
| R.P.M. | 500 | |

The following parts were examined and tested during construction and the requirements of Rules detailed below have been complied with and found satisfactory.

The brine pumps and gas condenser water cooling pumps (Motor driven horizontal volute pump) were tested under full working condition and found satisfactory.

The tests results are as follows:-

| Name of Part and No. | Kind of test | Name of Surveyor | Date | Name of Work | Remark |
|------------------------|-----------------|------------------|---------|----------------------|--------------|
| Compressor (No. 36006) | W.T.P. 600 lbs. | S.M. | 20-6-53 | Nippon air Brake Co. | Good |
| 1-cylinder | A.T.P. 300 lbs. | | | | |
| | W.T.P. 300lbs. | S.M. | 20-6-53 | " | " |
| 1-crank case | A.T.P. 150 " | | | | |
| 1-crankshaft | Material test | | | | " |
| | Rough turn | M.M. | 26-6-53 | " | LLOYD'S |
| | Finish | | | | No. K-CK319 |
| 3-Connecting rods | Material test | | | | Good |
| | finish | M.S. | 22-6-53 | " | LLOYD'S |
| | | | | | No. K-F13594 |
| | | | | | K-F-13594 |
| | | | | | K-F 13594 |

(Cont'd.)

This Certificate is issued upon the terms of the Rules and Regulations of the Society, which provide that:-

"While the Committees of the Society use their best endeavours to ensure that the functions of the Society are properly executed, it is to be understood that neither the Society nor any Member of any of its Committees is under any circumstances whatever to be held responsible for any inaccuracy in any report or certificate issued by the Society or its Surveyors, or in any entry in the Register Book or other publication of the Society, or for any error of judgment, default or negligence of any of its Committees or any Member thereof, or the Surveyors, or other Officers or Agents of the Society."

| | | | | |
|---------------------------|-----------------|--------------|------------|----------------|
| Compressor (No. 36007) | W.T.P. 600 lbs. | | Nippon Air | |
| 1-Cylinder | A.T.P. 300 lbs. | S.M. 20-6-53 | Brake Co. | Good |
| 1-Crank case | W.T.P. 300 lbs. | M.S. 22-6-53 | " | " |
| | A.T.P. 150 lbs. | | | |
| 1-Crankshaft | Material test | | | LLOYD'S |
| | Rough turn | M.M. 26-6-53 | " | No. K-CK-320 |
| | finish | | | |
| 3-Connecting Rod. | Material test | | | LLOYD'S |
| | Rough turn | M.S. 22-6-53 | " | No. K-F1359-9 |
| | finish | | | K-F-1359-11 |
| | | | | K-F-1359-12 |
| 1-Crankshaft (spare) | Material test | M.S. 22-6-53 | " | LLOYD'S |
| | Rough turn | | | No. K-CK 323 |
| | finish | | | |
| 3-Connecting Rods (Spare) | Material test | | | LLOYD'S |
| | Rough turn | M.S. 22-6-53 | " | No. K-F1359-14 |
| | finish | | | K-F1359-16 |
| | | | | K-F1359-19 |
| 2-Condensers | | | Teikoku | |
| No. CAT-3610 | W.T.P. 500 lbs. | J.N. 13-7-53 | Chuko Co. | Good |
| No. CAT-3611 | A.T.P. 250 lbs. | | | |
| 2-Brine Coolers | | | | |
| No. BAT 3606 | W.T.P. 500 lbs. | | | " |
| No. BAT 3607 | A.T.P. 250 " | M.S. 11-7-53 | " | " |
| 2-Inter stage coolers | | | | |
| No. IAT 3601 | W.T.P. 500 lbs. | J.N. 13-7-53 | " | " |
| No. IAT 3602 | A.T.P. 250 lbs. | | | |
| 4-Oil Separators | | | | |
| 1st stage | | | | |
| No. OAT 3610 | W.T.P. 500 lbs. | J.N. 13-7-53 | " | " |
| No. OAT 3612 | A.P.T. 250 lbs. | | | |
| 2nd stage | | | | |
| No. OAT 3611 | W.T.P. 500 lbs. | J.N. 13-7-53 | " | " |
| No. OAT 3612 | A.T.P. 250 lbs. | | | |
| 3-Brine pumps | | | Teikoku | |
| No. 19206 | W.T.P. 4 kgs. | M.S. 22-4-53 | Kikai | " |
| No. 19207 | Shop trial | J.N. 4-7-53 | Seisakusho | |
| No. 19208 | | | | |
| 2-Cooling Pumps | | | | |
| No. 19204 | W.T.P. 4kgs. | M.S. 22-4-53 | " | " |
| No. 19205 | Shop trial | J.N. 4-7-53 | | |

ROBE Rpt.

Survey Fee

Expenses

Total

Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

009004-004007-0014