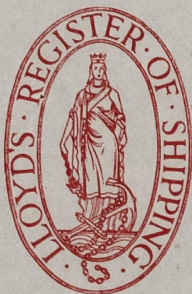


COPY

LLOYD'S REGISTER OF SHIPPING



4436

Port Yokohama

27th October, 1962

This is to Certify ^{we} ~~that I~~ *have surveyed part of the machinery*
of the **M.V. "KOWA MARU"**, **21,974** *Gross tons*
for **Advancement of CS, ABS, DS & TS**

^{our} ~~and that all my~~ *recommendations have been carried out to my satisfaction.* ^{our} ~~are~~ ^{We} ~~am~~ *reporting accordingly and recommending to the Committee of Lloyd's Register of Shipping that the machinery classification should be retained and the following survey records assigned*

CS (with date) when the survey is completed,
ABS 10/62, on completion
& TS 10/62

To complete ABS....the exhaust gas economiser safety valves to be adjusted under steam.

Parts now examined:—

Propeller.
Sea Connections & fastenings.

Main engine:—

No.1,3 & 6 Cyls, Covers, pistons & rods.
No.4,5 & 6 Crankpin & bearings.
No.4 & 6 Connecting rod, top ends & guides.
No.5 & 9 Journals & bearings.
No.2 & 3 Superchargers.
Thrust block shaft & bearings.
Intermediate shaft & bearings.

Auxiliaries:—

No.2 Generator engine (p.s. outboard) in its entirety.
No.1 Air compressor (p.s. inboard)
No.2 L.O. pump (aft.)
No.1 Main air receiver (fwd.)
Auxiliary condenser.
Both F.W. coolers.
L.O. cooler.

P.T.O.

P. P. H. Dreiner

Surveyor to Lloyd's Register of Shipping

P. P. H. DRENER & S. TAKENAKA

KEY TO ABBREVIATIONS

ABS	Auxiliary Boiler Survey	MBS	Main Boiler Survey	TS	Tailshaft Survey
CSM	Continuous Survey of Machinery	OF	Fitted for oil fuel (date) FP above 150° F.	TS(CL)	Tailshaft Survey—Continuous Liner
DBS	Donkey Boiler Survey	SGS	Steam Generator Survey	TSN	Tailshaft renewed
ES	Engine Special Survey	SPS	Steampipe Survey	TS(OG)	Tailshaft Survey—Oil Gland

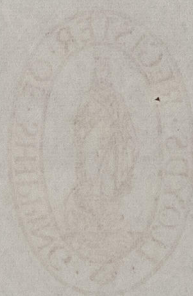
This Certificate is issued upon the terms of the Rules and Regulations of the Society, which provide that:—

"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."

LLOYD'S REGISTER OF SHIPPING

COPY

M/E F.W. cooling pump (s.s.)
M/E S.W. cooling pump (s.s. frd)
Bilge Pump (Stard.Frd)
Feed Pump (Stard.Aft)
Genr. cooling water pump (aft)
Cargo oil pump and turbine (s.s.)



This is to Certify that the above mentioned part of the machinery

Gross tons

21,374

of the

for

and that all the recommendations have been carried out to satisfaction.
The following machinery classification should be retained and the following survey records assigned to the vessel on completion of the survey.

To be done in accordance with the provisions of the Rules.

Particulars of the machinery.

1. Main engine
2. Main engine
3. Main engine
4. Main engine
5. Main engine
6. Main engine
7. Main engine
8. Main engine
9. Main engine
10. Main engine

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3. Main engine
4. Main engine
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Lloyd's Register Foundation



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