

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 **H.V. "KOWA MARU"**, **21,974** Gross tons for **Advancement of CS, ABS, DS & TS**

and that all ~~my~~ ^{our} recommendations have been carried out to ~~my~~ ^{our} satisfaction. ~~I~~ ^{We} are ~~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 P.W. coolers.
L.O. cooler.**

P.T.O.

Surveyor to Lloyd's Register of Shipping

P.F.H. DREINER & 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

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