

Rpt. 13.

No. 2324

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

FEB - 4 1938

Date of writing Report 13th Dec 1937 When handed in at Local Office 13th Dec 1937 Port of NAGASAKI.

No. in Survey held at NAGASAKI. Date, First Survey 26th Aug. Last Survey 30th Nov. 1937  
Reg. Book. (Number of Visits 10)37122 on the Steel Single Screw Motor Vessel "ASAHA MARU"  
Tons { Gross 7,398.  
Net 4,328.

Built at Nagasaki By whom built Mitsubishi Jukogyo KK Yard No. 687 When built 1937

Owners Nippon Yusen Kabushiki Kaisha. Port belonging to Tokyo.

Electric Light Installation fitted by Mitsubishi Jukogyo K.K. Nagasaki Contract No. - When fitted 1937

Is the Vessel fitted for carrying Petroleum in bulk No

System of Distribution Two wire system.

Pressure of supply for Lighting 220 volts, Heating / volts, Power 220 volts.

Direct or Alternating Current, Lighting Direct Current Power Direct Current

If alternating current system, state frequency of periods per second /

Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off Yes

Generators, do they comply with the requirements regarding rating Yes, are they compound wound Yes

are they over compounded 5 per cent. Yes, if not compound wound state distance between each generator /

Where more than one generator is fitted are they arranged to run in parallel Yes (Excepted Aux. Gen.) adjustable regulating resistance fitted in series with each shunt field Yes

Are all terminals accessible, clearly marked, and furnished with sockets. Yes, are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched Yes Are the lubricating arrangements of the generators as per Rule Yes

Position of Generators In Main Engine room.

is the ventilation in way of the generators satisfactory Yes, are they clear of all inflammable material Yes

if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the generators / and /, are the generators protected from mechanical injury and damage from water, steam or oil Yes

are their axes of rotation fore and aft Yes

Earthing, are the bedplates and frames of the generating plant efficiently earthed. Yes are the prime movers and their respective generators in metallic contact Yes

Main Switch Boards, where placed Fore Bulkhead in Main Engine room.

If the generators and main switchboard are not placed in the same compartment, is each generator provided with a fuse on each insulated pole as near as possible to the terminals of the generator, additional to that provided on the main switchboard /

Switchboards, are they placed in accessible positions, free from inflammable gases and acid fumes. Yes

are they protected from mechanical injury and damage from water, steam or oil. Yes, if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the switchboards / and /

are they constructed wholly of durable, non-ignitable non-absorbent materials. Yes, is all insulation of high dielectric strength and of permanently high insulation resistance. Yes, if semi-insulating material is used, are all conducting parts insulated from the slab

with mica or micanite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework. Yes

and is the frame effectively earthed. Yes Are the fittings as per Rule regarding: - spacing or shielding of live parts

Yes, accessibility of all parts. Yes, absence of fuses on back of board. Yes, proportion of omnibus

bars. Yes, individual fuses to voltmeter, pilot or earth lamp. Yes, connections of switches. Yes

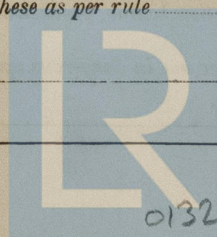
Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches. A double pole knife switch and a double pole circuit breaker with overload release, reverse current trip and time lag device and a single pole equalizer switch interlocked with the circuit breaker as per rule for each of 220 KW Main Dynamo, A d.p. knife switch and a d.p. circuit breaker with overload release, reverse current trip & time lag device for auxiliary dynamo, and d.p. knife switch and d.p. fuse or double pole circuit breaker for each of out going circuits.

Instruments on main switchboard 8 ammeters 3 voltmeters synchronising device for paralleling purposes.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system. Lamps with fuses and switches.

Switches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules. Yes

Joint Boxes Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule. Yes



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If portable lamps for use in dangerous spaces are supplied, are they of a type approved by the Home Office

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Port of N A G A S A K I

Continuation of Report No. 2324 dated

on the

Flex.coard for cargo light	1	3.11	110	0.91	3.41	13.0	60	Rubber	C.T & S.
" " " " Cluster	1	"	"	"	1.09	"	50	"	"
Cargo cluster & Portable L.	1	2.08	1	1.63	3.54	12.9	2	"	L.C.A.B.
Flex.coard for Portable L.	1	1.13	40	0.19	0.14	5.0	20	"	C.T & S.
Submain board S 5	1	9.45	7	1.30	16.9	37.0	140	"	L.C.A.S.
Cargo light & cluster	1	2.02	111	1.63	6.68	12.9	2	"	"
Flex cord for cargo light	1	3.11	110	0.19	3.41	13.0	50	"	C.T & S
" " " " cluster	1	"	"	"	1.09	"	50	"	"
Cargo cluster & portable L.	1	2.08	41	1.63	3.54	12.9	2	"	L.C.A.B.
Flex cord for portable L	1	1.13	40	0.19	0.14	5.0	20	"	C.T & S.
Navigation light	1	4.52	7	0.91	0.97	24.0	70	"	L.C.A.B.
Fore mast lamp	1	1.13	1	1.20	0.18	7.0	186	"	"
Starboard side lamp	1	"	"	"	"	"	40	"	"
Port side lamp	1	"	"	"	"	"	238	"	"
Main mast lamp	1	"	"	"	"	"	210	"	"
Stern lamp	1	"	"	"	"	"	212	"	"
Suze canal type searchlight	1	38.7	19	1.63	60	83.0	190	"	"
Dist.board D 10.	1	4.52	7	0.91	9.18	24.0	60	"	"

Note:- L.C.A & B. Lead covered, armoured & braided.  
L.C & B. " " & braided.  
C.T & S. Cab.type sheathed.

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