

No. 2530

Owners *The Rawasari Nisen Karaka* Owners' Address

Two sets of compound dynamo coupled directly to the single cylinder automatic cut off vertical enclosed engine with forced lubrication.
8" dia. 6" stroke 450 R.P.M.

Where is Dynamo fixed *In the engine room*

Positions of auxiliary switch boards and numbers of switches on each 2 in the engine room, 4 on the shelter deck, 1 on the lower bridge and 1 on the after main having one main switch on each board.

Are all cut-outs fitted in easily accessible positions Yes Are the fuses of standard dimensions Yes If wire fuses are used are permanent instructions fitted on or near each switch board giving particulars of proper size of fuse for each circuit Yes

7. Cargo lights of 128 x 1500 candle power, whether incandescent or are lights incandescent.

Where are the switches controlling the masthead and side lights placed In the chart room

Cargo light cables carrying 50 Amperes, comprised of 234 wires, each No 38 L.S.G. diameter, 0.0066 square inches total sectional area

Conductors are doubly insulated with india rubber and vulcanized rubber and tape. Cables are protected against mechanical injury and chemical action by steel armoring or lead covering according to the requirements.

Are all the joints of cables thoroughly soldered, resin only having been used as a flux Yes Are all joints in accessible positions, none being made in bunkers, cargo spaces, or spaces which may at any time be used for carrying cargo, stores, or baggage Yes

How are the cables led through the ship, and how protected. Cables are led unconcealed and without any additional protection beside those on the cables themselves.

DESCRIPTION OF INSULATION, PROTECTION, ETC.—continued.

Are they in places always accessible *They are all in accessible places.*

What special protection has been provided for the cables in open alleyways or where exposed to weather or moisture *Without any additional protections beside those on the cables themselves.*

What special protection has been provided for the cables near galleys or oil lamps or other sources of heat *as before*

What special protection has been provided for the cables near boiler casings *as before*

What special protection has been provided for the cables in engine room *In some parts where necessary, the cables are led through iron pipes.*

How are cables carried through beams *Pierced through & wood lined through bulkheads, &c. Pierced through & provided with water-tight glands.*

How are cables carried through decks *Pierced and led through iron pipes.*

Are any cables run through coal bunkers *Yes* or cargo spaces *Yes* or spaces which may be used for carrying cargo, stores, or baggage *Yes.*

If so, how are they protected *With lead covering or steel armoring on the cables themselves.*

Are any lamps fitted in coal bunkers or spaces which may at times be used for cargo, coals, or baggage *None*

If so, how are the lamp fittings and cable terminals specially protected

Where are the main switches and cut outs for these lights fitted

If in the spaces, how are they specially protected

Are any switches or cut outs fitted in bunkers *None*

Cargo light cables, whether portable or permanently fixed *portable* How fixed

In vessels fitted on the single wire system, how is the dynamo terminal fixed to the hull of vessel

How are the returns from the lamps connected to the hull

Are all the joints with the hull in accessible positions

VESSELS BUILT FOR CARRYING PETROLEUM.

In vessels built for carrying petroleum, are all switches and cut-outs fitted in positions not liable to the accumulation of petroleum vapour or gas

Are any switches, cut outs, or joints of cables fitted in the pump room or companion

How are the lamps specially protected in places liable to the accumulation of vapour or gas

The installation is supplied with a voltmeter and *two* ~~an~~ *on a marble* ~~switch-board~~ *switch-board*

The copper used is guaranteed to have a conductivity of *98* per cent. that of pure copper.

Insulation of cables is guaranteed to have a resistance of not less than *600* megohms per statute mile after 24 hours' immersion in seawater.

The foregoing statements are a correct description of the Electric Light installation fitted by us on this vessel and we declare that it is at this date in good order and safe working condition.

S. Pada Electrical Engineers Date *26th 6.19*

COMPASSES.

Distance between dynamo or electric motors and standard compass *Dynamo to standard compass 115 ft.*

Distance between dynamo or electric motors and steering compass *Motor 110 ft.*

Dynamo steering 105 ft.

Motor 100 ft.

The nearest cables to the compasses are as follows:—

A cable carrying	Amperes	feet from standard compass	feet from steering compass
<i>5.6</i>	<i>6</i>	<i>15</i>	<i>15</i>
<i>13.5</i>	<i>17</i>	<i>13</i>	<i>13</i>

Have the compasses been adjusted with and without the electric installation at work at full power

The maximum deviation due to electric currents, etc., was found to be _____ degrees on _____ course in the case of the standard compass and _____ course in the case of the steering compass.

Kawasaki Dockyard Co., Ltd.

Per *Shanayama* Secretary.

Builder's Signature. Date

GENERAL REMARKS.

The installation has been fitted in accordance with the requirements of the Rules & worked satisfactorily on trial.

It is submitted that this vessel is eligible for ELEC. LIGHT

Roll 7/19

A. Jones & Aulatt

Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute *FRI. 8-AUG. 1919*

REPORT FORM No. 1.

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.



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