

AIR RECEIVERS:—Have they been made under survey yes ✓ State No. of report or certificate AR-16688V
 State full details of safety devices 1 x 10 MM Fusible plug ✓
 Can the internal surfaces of the receivers be examined and cleaned yes ✓ Is a drain fitted at the lowest part of each receiver yes ✓
 Injection Air Receivers, No. - Cubic capacity of each - Internal diameter - thickness -
 Seamless, welded or riveted longitudinal joint - Material - Range of tensile strength - Working pressure -
 Starting Air Receivers, No. 2 Total cubic capacity 10 x 2 = 20M³ Internal diameter 1672 MM thickness 24 MM
 Seamless, welded or riveted longitudinal joint Riveted Material O.H. Steel Range of tensile strength FLANGE 48.1-53.9 kg/cm² Working pressure 25 kg/cm²
72.5-77.5 kg/cm²

IS A DONKEY BOILER FITTED yes If so, is a report now forwarded yes ✓
 Is the donkey boiler intended to be used for domestic purposes only NO

PLANS. Are approved plans forwarded herewith for shafting 7-5-53 Receivers 9-6-53 Separate fuel tanks -
 Donkey boilers 19-6-53 (If not, state date of approval) General pumping arrangements 15-5-53 Pumping arrangements in machinery space 15-5-53
 Oil fuel burning arrangements 1-9-53

Have Torsional Vibration characteristics been approved yes ✓ Date and particulars of approval 2-9-53 ✓

SPARE GEAR.

Has the spare gear required by the Rules been supplied yes State if for "short voyages" only -
 State the principal additional spare gear supplied 6 Exhaust valves, 2 Starting valves, 9 Fuel valves, 2 Safety valves, 2 Set pistons complete, 15 sets piston rings for one cylinder, 2 sets piston cooling pipes, 4 Links cam drive chains, 6 sets Fuel pipes for one cylinder, 1 cylinder liner, 1 cylinder cover, 8 Inlet valves, 1 set main bearings, 1 Propeller blade with studs & nuts.

MITSUI SHIPBUILDING & ENGINEERING CO., LTD., YAMANO WORKS.

The foregoing is a correct description, S. Tanaka
 Senior Managing Director, Manufacturer.

Dates of Survey while building
 During progress of work in shops - 1953 - JAN. 13, 31. FEB. 6, 10, 13, 17, 24, 27, 28. MAR. 3, 6, 10, 17 APR. 3, 10, 14, 24 MAY 2, 9, 15, 19, 26. JUN. 2, 5, 6, 12, 15, 16, 19, 23, 26, 30 JUL. 3, 8, 10, 14, 17, 21, 24, 27, 28, 29, 31. AUG. 1, 5, 6, 11, 25, 27. SEP. 4, 7, 11, 15, 18, 22. OCT. 5, 6, 29.
 During erection on board vessel - 1953 - AUG. 14, SEP. 1, 8, OCT. 2, NOV. 7, 13, 17, 25, 28
 Total No. of visits 69

Dates of examination of principal parts—Cylinders 23-6-53 Covers 21-7-53 Pistons 24-7-53 Rods 3-7-53 Connecting rods 1-7-53
 Crank shaft 15-6-53 Flywheel shaft - Thrust shaft 15-6-53 Intermediate shafts 23-6-53 Tube shaft -
 Screw shaft 24-7-53 Propeller 1-8-53 Stern tube 24-7-53 Engine seatings 2-10-53 Engine holding down bolts 2-10-53

Completion of fitting sea connections 14-8-53 Completion of pumping arrangements 25-11-53 Engines tried under working conditions 28-11-53
 Crank shaft, material F.S. & C.S. Identification mark K-CK 323 Flywheel shaft, material - Identification mark -
 Thrust shaft, material O.H. Steel Identification mark MHR 15-6-53 Intermediate shafts, material O.H. Steel Identification marks Y3535, K-F 1405, MHR 15-6-53
 Tube shaft, material - Identification mark - Screw shaft, material O.H. Steel Identification mark K-F 1416, MHR 24-

Identification marks on air receivers AR502 LLOYD'S TEST KOB WTP 39 kg/cm² W.P. 25 kg/cm² MHR 18-8-53
AR503 LLOYD'S TEST KOB WTP 39 kg/cm² W.P. 25 kg/cm² MHR 18-8-53

Welded receivers, state Makers' Name -
 Is the flash point of the oil to be used over 150°F yes ✓

Have the requirements of the Rules for oil fuel pipes and tank fittings been complied with yes ✓

Full description of fire extinguishing apparatus fitted in machinery spaces Steam pipings & CO₂ gas fire extinguisher from CO₂ to
 Is the vessel (not being an oil tanker) fitted for carrying oil as cargo yes If so, have the requirements of the Rules been complied with yes ✓

What is the special notation desired -
 If the notation for ice strengthening is desired, state whether the requirements in this respect have been complied with -

Is this machinery duplicate of a previous case yes If so, state name of vessel M.V. "ARIMASAN MARU"

General Remarks (State quality of workmanship, opinions as to class, Speed restrictions, &c.)

The machinery of this vessel has been constructed under Special Survey in accordance with the Rules, approved plans and Secretary's letters. Materials and the workmanship are sound and good. The machinery has been examined under full working condition during deck and comprehensive sea trials and found satisfactory. In our opinion, the machinery of this vessel is eligible to have a record of +LMC 11.53, T.S.(C.L.) 11.53 x D.B.S W.P. 12.5 kg/cm² 11.53

The amount of Entry Fee ... £ 846.000
 Special ... £ :
 Donkey Boiler Fee... £ :
 Travelling Expenses (if any) See Rpt. 1
 When applied for FEB. 25, 1954
 When received 19

A. Burns
 Engineer Surveyor to Lloyd's Register of Shipping



Lloyd's Register Foundation

Committee's Minute FRIDAY - 2 APR 1954
 Assigned +LMC 11.53 Gil Eng.

1 DB (Exhaust Gas) 178 lb.
1 DB (WT) Primary 711 lb. Secondary 178 lb. CL.

The Surveyor may request not to write on or below the space for Committee's Minute.