

Provisional Report - actual report will be sent in a few days when signed by Messrs Tosi

4b.

REPORT ON OIL ENGINE MACHINERY.

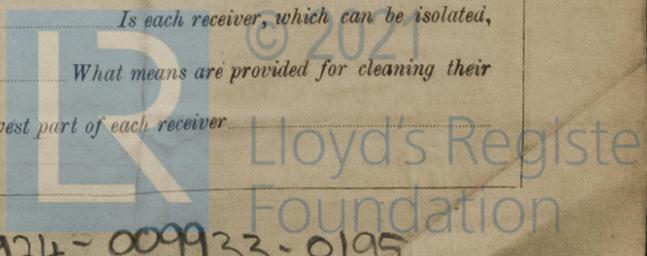
No. 8547

Received at London Office

Writing Report 11/11 to 21 When handed in at Local Office 11/11 Port of Genoa
 (LEGNANO 29/6/22) Last Survey (LEGNANO 6/4/22) 19
 Survey held at Legnano, Date, First Survey
 Number of Visits LEGNANO 21
 on the Single } Screw vessels Engines 4 2565 Tons { Gross
Twin } Triple } Net
 Built at Hastlepool By whom built Richardson Westgarth Yard No. 25524 When built 1923
 Made at Middlesbrough By whom made Richardson Westgarth Engine No. 2565 When made 1923
 Boilers made at _____ By whom made _____ Boiler No. _____ When made _____
 Horse Power 2400 (1200 per engine) Owners _____ Port belonging to _____
 Horse Power as per Rule 553 Is Refrigerating Machinery fitted for cargo purposes _____ Is Electric Light fitted _____

ENGINES, &c. — Type of Engines Tosi Diesel (N6 type) 2 or 4 stroke cycle 4 Single or double acting single
 Working pressure in cylinders 500 lb No. of cylinders Twelve No. of cranks 12 Diameter of cylinders 620 mm = 24 7/8"
 of stroke 975 mm = 38 3/8" Revolutions per minute 125 Means of ignition Compression - Air Kind of fuel used _____
 Span of bearings (Page 92, Section 2, par. 7 of Rules) _____
 Is a flywheel fitted _____ Diameter of crank shaft journals _____ as per Rule
 as fitted _____ as fitted _____
 Breadth of crank webs _____ as per Rule Thickness of ditto _____ as per Rule
 as fitted _____ as fitted _____
 Diameter of tunnel shaft _____ as per Rule Diameter of thrust shaft _____ as per Rule
 as fitted _____ as fitted _____
 Is the screw shaft fitted with a continuous liner the whole length of the stern tube _____
 If the liner is in more than one length are the joints burned _____
 Is the space between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive _____
 If without liners, is the shaft arranged to run in oil _____
 Length of stern bush _____ Diameter of propeller _____
 Total surface _____ square feet
 Thickness of cylinder liners 50 mm average
 Means of lubrication forced Are the exhaust pipes and silencers water cooled or lagged with _____
 If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine _____
 Is the sea suction provided with an efficient strainer which can be cleared _____
 Are all the bilge suction pipes fitted with roses _____ Are the roses in Engine Room always accessible _____
 Are all connections with the sea direct on the skin of the ship _____
 Are they fixed sufficiently high on the ship's side to be seen without lifting the floor plates _____
 Are they each fitted with a discharge valve always accessible on the plating of the vessel _____
 Are the bilge suction pipes, cocks and valves arranged so as to prevent any _____
 Is the screw shaft tunnel watertight _____ Is it fitted with a watertight door _____
 If a wood vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork _____
 No. of stages 3 Diameters 620 x 575 x 135 Stroke 300 mm Driven by DIRECT COUPLED TO MAIN ENGINE
 Are the air compressors and their coolers made so as to be easy of access Yes

RECEIVERS: — No. of high pressure air receivers _____ Internal diameter _____ Cubic capacity of each _____
 Range of tensile strength _____
 Working pressure by Rules _____ No. of starting air receivers _____ Internal diameter _____
 Working pressure by rules _____ Is each receiver, which can be isolated, _____
 Can the internal surfaces of the receivers be examined _____ What means are provided for cleaning their _____
 Is there a drain arrangement fitted at the lowest part of each receiver _____



009924 - 009933 - 0195

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

HYDRAULIC TESTS:--

DESCRIPTION.	DATE OF TEST.	WORKING PRESSURE.	TEST PRESSURE.	STAMPED.	REMARKS.
ENGINE CYLINDERS <i>LINERS</i>	12/7/23 & Previous dates	500 lb	6kg jacket	<i>PTB</i> } 6kg - DATE <i>AL</i> }	Plain Form - Self
" " COVERS	10/3/23 " " "		6kg "	" "	
" " JACKETS	12/7/23 " " "		6kg "	" "	
" PISTON WATER PASSAGES	10/3/23 " " "		6kg	" "	
MAIN COMPRESSORS—1st STAGE	2/13/23 " " "	70kg	150kg	150 "	Each Compressor
" 2nd "	2/13/23 " " "	16kg	50 "	60 "	Completion row
" 3rd "	6/4/23 " " "	4kg	10 "	10 "	for at least 60 h working complete
AIR RECEIVERS—STARTING					
" INJECTION					
AIR PIPES					
FUEL PIPES					
FUEL PUMPS					
SILENCER					
" WATER JACKET					
SEPARATE FUEL TANKS					

PLANS. Are approved plans forwarded herewith for shafting
(If not, state date of approval)

Receivers

Separate Tanks

SPARE GEAR *See list attached*

The foregoing is a correct description.

Manufacturer.

Dates of Survey while building { During progress of work in shops - - }
{ During erection on board vessel - - - }
Total No. of visits

Dates of Examination of principal parts—Cylinders *12/7/23* Covers *10/3/23* Pistons *10/3/23* Rods Connecting rods
Crank shaft Thrust shaft Tunnel shafts Screw shaft Propeller Stern tube Engine seatings
Engines holding down bolts Completion of pumping arrangements Engines tried under working conditions
Completion of fitting sea connections Stern tube Screw shaft and propeller
Material of crank shaft Identification Mark on Do. Material of thrust shaft Identification Mark on Do.
Material of tunnel shafts Identification Marks on Do. Material of screw shafts Identification Marks on Do.

Is the flash point of the oil to be used over 150° F.

Is this machinery duplicate of a previous case *Yes* If so, state name of vessel *PINZON*

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

Certificate (if required) to be sent to
(The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee ... £	When applied for,
Special ... £	19
Donkey Boiler Fee ... £	When received,
Travelling Expenses (if any) £	19

Committee's Minute

TUE. 26 FEB. 1924

Assigned

Alex Lawrence for self P.T.
Engineer Surveyor to Lloyd's Register of Shipping



Lloyd's Register Foundation