Rpt. 9.

L.A. 11548

No. ~~6747~~

Report of Survey for Repairs, &c., of Engines and Boilers.

(Received at London Office 17 JUL 1947)

Date of writing Report May 17th. 1947 When handed in at Local Office May 19th 1947 Port of Tampico, Mexico

No. in Reg. Book ~~30982~~ 80191 Survey held at Tampico, Mexico Date, First Survey April 11th Last Survey May 15th. 1947 (No. of Visits six)

on the Machinery of the ~~Wooden~~ Steel Mexican Steam Tanker "PANUCO"

Tonnage Gross ~~6272~~ 6735 Net 4146

Nominal Horse Power 612

No. of Main Boilers 3

No. of Donkey Boilers None

Steam Pressure— in Main Boilers 180 in Donkey Boilers --

Vessel built at Chester, Pa., U.S.A. By whom Sun Shipbuilding Co. When 1920-April (Year. Month.)

Engines made at " " " By whom Sun Shipbuilding Co. When 1920-April

Boilers, when made (Main) 1931 (Donkey) None

Owners Petroleos Mexicanos, S.A. Owners' Address Tampico, Mexico (if not already recorded in Appendix to Register Book.)

Managers " " Port ~~Tampico~~ Vera Cruz Voyage

If Surveyed Afloat or in Dry Dock Afloat (State name of Dock.)

190 in RB.

Last Report No. 6/44 Port Tampico, Mexico

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Character ✠ for Special Survey Date of last Survey and of Periodical Surveys.	Years assigned now expired.	Machinery and Boiler Surveys (including date of N.B., if any)
+100 A1. 4.46		+LMC 4.46
Examined 4.46		TSCL 3.46
mob.		
S.S. PHL. No.3-4.32		
S.S. PHL. No.1-36		
Carrying petroleum in bulk		
Fitted for oil fuel 4.30 F.P.		
above 150°F		

Particulars of Examination and Repairs (if any)

(Periodical Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the cause of Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on account of Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and besides being detailed in the body of the report, should be briefly summarised at the end of the report. State also the dates and initials of any letters respecting this case.

In damage cases where the Surveyor has not made a special damage report he is required to state whether he offered his services for this purpose, and why they were declined

Was a damage report made by anyone else? If so, by whom? No

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? Yes

" " Donkey " " " None

If this was not done, state for what reasons?

And what parts of the Boilers could not be thus thoroughly examined? All parts examined

Also what special means, in the absence of internal examination, were adopted by the Surveyor to assure himself of the thorough efficiency of those parts of each Boiler?

State latest date of internal examination of each boiler April 1944 Present condition of funnel(s) Good

Did the Surveyor examine the Safety Valves of the Main Boiler? Yes To what pressure were they afterwards adjusted under steam? 180 LB. 190 in RB

Did the Surveyor examine the Safety Valves of Donkey Boiler? --- To what pressure were they afterwards adjusted under steam? ---

Did the Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? Yes - good, and of the Donkey Boilers? ---

Did the Surveyor examine the drain plugs of the Main Boilers? Yes - good, and of the Donkey Boilers? ---

Did the Surveyor examine all the mountings of the Main Boilers? Yes - good, and of the Donkey Boilers? ---

Has screw shaft now been drawn and examined? No Is it fitted with continuous liner? -- Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? No

Has shaft now been changed? No If so, state reasons ---

Has the shaft now fitted been previously used? --- Has it a continuous liner? --- Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? ---

State date of examination of Screw Shaft --- State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft ---

Engine parts, when referred to by numbers, should be counted from forward. Is electric light and/or power fitted? Yes

If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? Yes

Has the insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms.? Yes

If the Survey is not complete, state what arrangements have been made for its completion and what remains to be done

The main engine cylinders, pistons, crossheads, crankpins, and and thrust bearings were all examined and found in good condition. The main condenser was tested and found tight. The amin and auxilliary circulating pumps, general service, bilge, fresh water and boiler feed pumps were all examined and found in good working condition. The fuel oil burning equipment, including pumps, heaters and all piping were examined and found in good condition. Each of the three boilers were examined inside and outside, including all mountings and fittings thereon. All standard tubes for center furnace and sixteen tubes for the port furnace of the starboard boiler were renewed. After the boilers were tested in the usual manner, all of which were found to be in good condition. Steam was then raised and the safety valves set for 180 pounds pressure. The two steam driven electric generators and all wiring were examined, then given the Megger Test, all of which were found to be in good condition.

General Observations, Opinion, and Recommendation:—

(State clearly what alteration, if any, is suggested to be made in the existing classification of the vessel's machinery in the Register Book, consequent upon this survey, and also any alteration required to be made in the records of the vessel's machinery, boilers, working pressures, &c.; thus, for example, B.S. 9,11, B.&M.S. 9,11, ✠L.M.C. 9,11, or ✠LMC CS 3,34, 140 lb., F.D., &c.)

RECOMMEND:- The vessel be containued as classed with NOTE L.M.C. 5/47, also B.S. 5/47.

Survey Fee (per Section 29) £ : :

Special Damage or Repair Fee (if any) (per Section 29.) $450.00 USCY. £ : :

Travelling expenses (if chargeable) £ : :

Fees applied for ..... 19....

Received by me, ... 19....

F.J. Bonner

F.J. Bonner - Engineer Surveyor to Lloyd's Register of Shipping.

WED. 30 JUL 1947

Committee's Minute

Assigned + LMC 5.47

~~CERTIFICATE WRITTEN~~

LLOYD'S AGENCY TAMPICO AGENCIA DE LLOYD

007403-007411-0141

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

If so, is the Report sent now, or when will it be sent?

Insert Character of Ship and Machinery precisely as in the Register Book

Is a Certificate required? If so, to be sent to