Rpt: 9.

No. NWE 396.

REPORT OF SURVEY FOR REPAIRS, &c., OF ENGINES AND BOILERS

(Received at London Office .....)

Date of writing Report 8 - 5 - 47 19..... When handed in at Local Office .....19..... Port of Hamburg.

No. in Reg. Book. 68658 Survey held at Lubeck Date. First Survey 28 - 1 - 47 Last Survey 7 - 5 - 47 19..... (No. of Visits 5)

on the Machinery of the ~~Twin Screw~~ Steel " Anna Rehder "

Tonnage { Gross 725 / Net 377 }

Nominal Horse Power { - }

No. of Main Boilers ~~13~~

No. of Donkey Boilers 1

Steam Pressure— in Main Boilers ~~180lbs~~

in Donkey Boilers ~~100lbs~~ ~~7.0Kgs~~

Vessel built at Limhamn By whom Limhamns Skepps. A/B When Year. 1921 Month. 10

Engines made at ~~Sunderland~~ By whom ~~N.E. Marine Co, Ltd.~~ When ~~1921~~

Boilers, when made (Main) 1921 (Donkey) -

Owners ~~Greek Maritime Commission~~ G. Rehder Owners' Address -

(if not already recorded in Appendix to Register Book.)

Managers - Port ..... Voyage .....

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

Last Report No. ..... Port .....

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)
+ ...		+
5,30		
S.S. Sld, No2-~~29~~		
~~G.L.~~		
~~+100 A~~ ~~10,41~~		~~+MC~~ ~~10,41~~

Particulars of Examination and Repairs (if any) Docking, Examnd L.R. TS, BS.

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.....

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 -

as a damage report made by anyone else? If so, by whom? -

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

" " Donkey " " " Yes

not, state for what reasons - What parts of the Boilers could not be thus thoroughly examined? -

at 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? -

Originally approved working pressure 180 lb

te latest date of internal examination of each boiler Main, 6 -2 -47, Donkey, 23 - 4 - 47 Present condition of funnel(s) Satisfactory

the Surveyor examine the Safety Valves of the Main Boilers? Yes To what pressure were they afterwards adjusted under steam? 180lbs/sq.in. 12.7 Kgs/sq.cm.

the Surveyor examine the Safety Valves of the Donkey Boilers? Yes To what pressure were they afterwards adjusted under steam? 100lbs/sq.in. 7 Kgs/sq. cm.

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

he Surveyor examine the drain plugs of the Main Boilers? -, and of the Donkey Boilers? -

he Surveyor examine all the mountings of the Main Boilers? Yes, and of the Donkey Boilers? Yes

Originally approved W.P. = 100 lb.

he screw shaft now been drawn and examined? Yes Has it a continuous liner? No Is an approved oil retaining appliance fitted at the after end? Yes

haft now been changed? No If so, state reasons - Has the shaft now fitted been previously used? - Has it a continuous liner? -

approved oil retaining appliance fitted at the after end? - State date of examination of Screw Shaft 6 - 2 - 47 State the wear down in the n bush Close fit Is electric light ~~and/or power~~ fitted? Yes If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? Yes

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

Engine parts, when referred to by numbers, should be counted from forward.

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

xamined L.R. 5,47, renewal of screw shaft is recommended by the end of August 1947, (six months limit)
done:- Docking, Vessel placed in drydock, propeller, stern bush, sea connections and their fastenings examined.
w shaft drawn in and examined(found badly worn) skimmed up to a diameter of 234 mm, (Rule size 236.5 mm) bottom of
y at top end radiused and stern bush remetalled; considered efficient for a period of six months.

ned L.R.:- It is stated by Chief Engineer that systematic overhauling of machinery has been carried out and
nery is in good condition. Germanischer Lloyd Classification certificates record no restrictions on class that have
een dealt with.
and auxiliary machinery now examined externally, parts as under opened up and examined and on completion examined
working conditions and pumping arrangements tried with satisfactory results.
~~engine cylinders, pistons, slide valves, thrust shaft and bearings, engine driven pumps, stand by circulating pump.~~
ectrical installation(lighting) generally examined, megger tested and tested under working conditions.
nd Donkey boilers examined internally and externally together with their principle mountings and the safety valves
~~ed under steam to 180 lbs/sq.in. and 100 lbs/sq.in.(12.7 Kgs/sq.cm. per Germanischer Lloyd Certificate and~~
sq.cm. per boiler inspection book.)
observed that main boiler water gauge pipes are not fitted with terminal cocks at boiler shell.
s (W&T):- A small number of fractured combustion chamber stays in main boiler renewed, main and auxiliary feed
valve seats renewed.
repairs and adjustments effected.

Observations, Opinion, and Recommendation:— The machinery of this vessel is eligible in our opinion to

ate 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, BS 9,11, B&MS 9,11 ✠LMC 9,11 or ✠LMC 140 lb., FD, &c.) CS 3,34,

re the Notation of Examined L.R. 5,47 for a period of 12 months, BS, 2,47, when the Survey is completed (as stated

) and subject to Main boiler water gauge pipes being fitted with cocks at shell at the first opportunity.

(per Section 29) B.S.	£ 14 : 0 : 0	Fees applied for ..... 19.....	
& T.S.	4 0 0		
mage or Repair Fee (if any) (per Section 29.)	£ 10 : 10 : 0	Received by me, 19	
expenses (if chargeable)	£ : :		

WED. 3 SEP 1947

Jas Crawford Thomas D. Rutt
Engineer Surveyor to Lloyd's Register of Shipping

e's Minute Note subject

~~BS 2,47 (LR)~~ See Rpt. 8

~~S. 2,47~~

~~LP cyl. dia. 43"~~ ~~MBS 180 lb.~~ ~~DBS 100 lb.~~

005280-005292-0183

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

If so, to be sent to

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