Rpt. 8.

(Received at London Office 12 SEP 1951) No. 2448B.

REPORT OF SURVEY FOR REPAIRS, &c.

Date of writing Report 29/8/51 19.... When handed in at Local Office 1st SEPT. 1951

No. in Reg. Book. 26374 ~~26374~~

Survey held at GREENOCK Date, First Survey 11/6/51 Last Survey 18/8/51 19....

Port of GREENOCK

on the ~~Wood, Iron or~~ Steel SCREW STEAMER "SHAHZADA" (No. of Visits 31)

TONNAGE :—
GROSS 5469
UNDER DK 4931
NET 3210

Built at PORT-GLASGOW By whom LITHGOWS' LTD When YEAR. 1946 MONTH. 12

Owners ASIATIC STEAM NAV Co LTD Owners' Address (If not already recorded in Appendix to Register Book)

Managers Port belonging to LONDON

Surveyed Afloat or in Dry Dock? BOTH Name of Dock GARVEL DRY DOCK Destined Voyage

Cell D B or D B a ... feet ; u E & B ... feet ; f ... fee
pacity ... tons. F P T ... tons ; A P T ... tons ; M T ... feet ... tons.
Only alterations in the existing records of tanks should be inserted.

.—All alterations in the existing records should be underlined.

Report, No. 2587 Port do

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.	Machinery and Boiler Surveys (Including date of N.B., if any).
✠100A1 CAL 5/50	✠LMC 12/46
~~2 D K~~ CRUISER STERN	CL 7/49

Surveys, when held, must be reported in detail and seriatim in the terms of the Rules and Items ...ining to complete ...eys should be summarised. State clearly the cause of Repairs, if any, and, in detail, the nature and ex...nt of Examinations ...equent repairs. Repairs on account of Damage (the cause of which must be stated) should be separated from Repairs due to ...ses; and besides being detailed in the body of the report, should be summarised in the form shown be... Whenever the ...eat of Anchors or Chains is reported the particulars should be clearly stated in the space provided on the back of this form. ... the dates and initials of any letters respecting this case.

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

Society's Freeboard (if assigned) as painted on Ship and now verified } 6 ft. 0 ins.

Was a damage report made by anyone else? if so, by whom?

... OR EXAMINATION AS PER RULE, FOR Docking, Special Survey & Conversion to Oil fuel

...al Survey:- Vessel placed in dry dock. Bottom & side shell plating & rudder cleaned & examined. Coated after repairs.

...ined:- Holds, decks, tween decks, engine & boiler spaces, Cross & tween dk bunkers, chain lockers, anchors & cables ranged, ...k internally & spaces above, aft peak internally & stm space above, all D.B Tanks internally, plating under sidelights, ...ps, covers, hatch beams, tarpaulins, cleats & battening arrangements, air & sounding pipes & striking plates, masts ...ging), rigging, windlass, steering gear & relieving tackle, Ventilators, pumps, W.T. doors, equipment, fullboard ... Bilge suctions tried. All D.B Tanks, new settling tanks & fore & aft peaks tested under pressure.

...s now dnd:- Stem frame scarph re-welded. Rudder lifted & lower pintle re-bushed (lignum vitae).

...ween Dks:- Broken cement chocks renewed, sparring repaired. Steelwork scaled & coated. Drain division channels repaired.

...Lockers:- cleaned & coated.

...Cables:- 18 cable studs tightened & 2 renewed.

P.T.O

DAMAGE REPAIRS :—	Shell Plates.	Frames.	R. Frames.	Floors and Bracket Floors	Beams.	Inner Bottom Plates.	Dk. Plates.	Other Items :—
... ...								
and Faired or Repaired								
Repaired in place ...								

...DITION OF THE	GOOD	Bulkheads	GOOD	Engine Room Skylights	GOOD	Copper, or Y.M. (State if on Fort.)	
...ks	"	Ceiling	"	Coal Bunkers, Openings, Covers, &c.	✓	When fitted, Month	Year
	"	Cement ~~OR ASPHALT~~	"	Oil ~~Bunkers~~ TANKS	GOOD	Boats	GOOD
...ings	"	Rudder	"	Scuppers	"	Masts, ~~Yards, &c.~~	"
	"	Steering gear and its connections	"	Cargo Hatchways	"	Condition, how ascertained (State if wedges removed.)	BY EXAM^N
...n way of sidelights	"	Windlass	"	Hatches	"	Equipment letter	Z
	"	Have pumps been examined and found efficient?	YES	Planking		Anchors, No. of	3. B. 1.5
	✓	Have Sluice Valves been examined and found efficient?	✓	Caulking		Cables (State if now ranged)	YES
	✓	Have Watertight Doors been examined and found efficient?	YES	Treenails		" length 270 FMS mean diamr.	2 3/16"
	✓	Have Ventilators and their Coamings been examined and found efficient?	YES	Breasthooks & Stemson		(on board.) " Rule length 270 FMS size	2 1/4"
	GOOD	Air and Sounding Pipes	GOOD	Transoms, Pointers & Crutches		Chain Locker	GOOD
	"	Doubling Plates under Sounding Pipes	"	Timbers of Frame at openings		Hawsers & Warps	EFFICIENT
	"			" " at other places		Standing and Running Rigging	GOOD
...ting	"			Stringers, Clamps & Shelves		Sails	✓
...een examined internally?	YES			Salting			
...een tested?	YES			State if examined.			

Observations, Opinion as to Class, Recommendation, &c. :—

State clearly whether any and, if so, what alteration is suggested to be made in the existing classification and notification of the vessel in the Register Book consequent upon this survey, thus, for example :—"...to remain as classed in the Register Book *without fresh record of Survey*," "to remain as classed and to have record of survey, 1,38," or "to remain as classed and to have record of survey, 1,38, and the notations of *ss No.* 1-38."

This vessel is in good condition & eligible in my opinion to remain as classed with fresh record of docking 8/51 & the notation S.S. Grk. 8/51 "fitted for oil fuel, ...F above 150°F", subject to the completion of items, as stated in their rpt.

Echo Sounding fitted 8/51

Survey Fee (per Section 29) Load Line Renewal Alt.	£	37 8	0 0
Special ~~Damage or Repair~~ Fee (if any) (per Sec. 29) Oil fuel Conversion & alterations	£	30	0 0
Travelling Expenses (if chargeable) Late/Sel		5	5 0
Second Surveyor's Fee (if any)	£		

Fees applied for, 1st SEPT. 1951

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

Committee's Minute THURS 27 SEP 1951

Character Assigned Deferred for repairs but assign 8.51. Grk. +LMC. 8.51. without ...fol. end.

Surveyor to Lloyd's Register of Shipping.

Is Certificate required? If so, to be sent to

(MADE AND PRINTED IN ENGLAND.) (The Surveyors are requested not to write on or below the space for Committee)

10m.5/50 Transfer Ink.

NOTE 55 + RB para 5(3)

FSV

004170-004176-005212

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of GREENOCK Continuation of Report No. 24488 dated 29th August 1951. on the

SS. "SHAHZADA"

Fore & Aft Peaks:- cleaned, scaled & cement washed.

D.B. Tanks:- No.1, 2, 3, 7 & 8 cleaned & scaled. No.4, 5 & 6 cleaned, scaled & cement washed.

Hatchways etc:- Wood hatch covers repaired as necessary.

Masts, spars & Rigging:- (see separate report). Preventer stay to foremast (P) & mainmast (S) renewed.

Ventilator plugs repaired as necessary.

Load Line Survey carried out & freeboard marks verified. Echo Sounding gear (Marconi Type) fitted.

Vessel undocked 8/8/51.

Conversion to Oil fuel:- (see plan No.1)

D.T. Bulkd. 99 moved fore to frame 106 (see plan "Pillars (riders)". Hold tested on completion. Hatchways & girders altered to suit, as per plan, & additional pillars fitted. Additional hatch bridles & wood covers fitted at upper & main decks. Coal trunks with cross bunker removed; sides cropped to form bulkd. stiffeners brackets & fitted with 3½"x3½"x·45 face bars; openings in decks plated over & beams at fr 93 filled in. Coal trunk doors in bulkd 9. removed & openings plated over. Stbd. W.T. Door removed & opening plated over, port side W.T door permanently closed. Tank top seams in No.4 & 5 Holds welded. Tank top manhole covers to No.1, 2, 3, 7 & 8 D.B Tanks altered to suit oil fuel & protected by coamings & wood covers. Bilge suctions altered to suit new arrangement. Oily bilge spaces arranged in E & B space as per plan. Wood ceiling fitted over tank top in No.4 & 5 Holds. Solid floors fitted at frames 163 & 63 to form cofferdams at fore end of No.1 & No.7 D.B Tanks respectively. Air & sounding pipes fitted to suit new arrangement. Openings made in fore & aft screen bulkds in sides of Engine Room for access to new settling tanks; coaming stiffened by 6"x3½" B.A. Two 25 Ton settling tanks fitted in tween dk as per plan (No.2) & tested under pressure. O.T coaming fitted inside frames at main dk & at fore end at forward with drainage to Engine Room. Upper D.B coal hatch coamings removed (P & S) & deck plated over. Brid. D.B coal hatches plated over (P & S). Prepaid F.W tanks in tween dks not fitted; existing F.W tank over between fr 92 & 96 remains. Coaling & Ash shoot doors (P & S) permanently closed & welded round ea

When Anchors or Cables are supplied, the particulars are to be reported in the following form :—

ANCHORS.

Number of Certificate.	Anchors.*	Weight, Ex. Stock. Cwts.	qrs.	lbs.	Weight of Stock. Cwts.	qrs.	lbs.	Test per Certificate. Tons	Cwts.	qrs.	lbs.	Weight Required by Rule. Cwts.	qrs.	lbs.	Description of Anchor.	Makers.	Where and when tested Superintendent.
	1st Bower														If Patent state name of Patentee.		
	2nd "																
	3rd "																
	Collective Weight																
	Stream.....																
	Kedge																

* When a bower anchor is supplied it must be clearly stated whether it is a 1st, 2nd, or 3rd bower.

CHAIN CABLES.

Number of Certificate.	Length and size supplied. Length. Fathoms.	Diam. Ins.	Test per Certificate. Statutory. Tons.	Breaking. Tons.	Weight of Chain Cable. Supplied. Cwts. qrs. lbs.	Per Rule. Cwts. qrs. lbs.	Length and size per rule. Length. Fathoms.	Diam. Ins.	Description.	Makers of Cables.	Where and when tested Superintendent.
Iron Stream Chain or Steel Wire											

Openings in casing in way of saddle tank between upper & bridge decks plated over to form galley and bath. Coaming & storm boards on port side moved forward, & casing of side house extended, to frame 52 (see forecastle). Ash shoot removed & hole in shell plating, stbd side, filled in with riveted & welded spigot plate. All tank heating coils tested as per Rules.

Owing to a plater's strike, a few items remained to complete. An interim certificate was issued, list of items, a copy of which is attached, to enable the vessel to proceed to Antwerp. Antwerp Surveyors have been informed. The following items remain to be completed (see Rept 9a, Antwerp)

Items to be completed at Antwerp:-

No.2 Hold:- Stiffening plates to fit below bilge sounding pipes

Bridge space Tween Dk:- Two small holes in upper deck (P & S). to fill up
Hatch bridle sockets & hatch bridle to fit.

No.3 Lower Tween Dk:- Section of B.A beam to fit (P & S)
Two solid round pillars at hatch end, side plates & crown plate to fit. (see Plan No.3)
Rider plate to fit on hatch girder (S) & beam brackets to weld to same.
Hatch bridle & hatch bridle sockets to fit.

No.3 Lower Hold:- Hatch girder (P) diaphragm plate to fit.
Section of BA beam to fit (P).

Indent in shell plating in "G" strake No.4 from fore end, port side.

Nos 1, 2, 3, 7 & 8 D.B Tanks have now been converted for the use of oil fuel & water ballast, with the following capacities (see Plan No.1).

	OIL FUEL	WATER BALLAST
No.1 D.B TANK	85 TONS	92 TONS
No.2 " "	298 "	324 "
No.3 " "	160 "	173 "
No.7 " "	200 "	218 "
No.8 " "	104 "	113 "
TOTAL OIL FUEL (EX SETTLING TKS)	847 TONS	
No.4 D.B TANK	—	86 "
No.5 " "	—	114 "
TOTAL WATER BALLAST (EX PEAKS)		1120 TONS

114
1006

PLANS ATTACHED TO THIS REPORT:-
ALTERATIONS TO OIL FUEL CONVERSION. (No.1)
DETAILS OF SETTLING TANKS (No.2)
PILLARS & GIRDERS IN WAY OF No.3 HOLD (No.3)

0052 2/2

N.B.—If this Report is copied by Copying Press, especial care must be taken that the copying paper is not so much damped as to spread the ink, or to cause it to show through to the other side.

(MADE AND PRINTED IN ENGLAND)

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