

## REPORT of SURVEY for REPAIRS, &amp;c.

Date of writing Report 18.7.31 When handed in at Local Office 18.7.31 Port of West Hartlepool

No. in Reg. Book 28594 Survey held at West Hartlepool Date, First Survey 16.6.31 1st Survey 9.7.1931

TONNAGE 4218 Built at Stockton By whom Repner &amp; Son When 1906 MONTH 10.

GROSS 4218 Owners Pool Shpg. Co. Ltd. Owners' Address (if not already recorded in Appendix to Register Book)

UNDER DEK 3608 Managers Sir R. Repner &amp; Co. Ltd. Port belonging to West Hartlepool

NET 2707

Surveyed Afloat or in Dry Dock? Both. Name of Dock North Dry Dock Destined Voyage

WB=Cell D B or D Ba feet; uE&amp;B feet; f feet Particulars of Classification (which must be inserted precisely as in Register Book &amp; Supplements).

total capacity tons. FPT tons; APT tons; MT feet tons.

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

If the Vessel has Water Ballast Tanks, state whether the manhole covers have been removed, and the insides of the tanks examined. Also state the amount of deterioration (if any) found in the thickness of the floors, framing, girders, and of the inner bottom plating, especially in the boiler space.

Last Report, No. 3395 Port Mel

(Periodical Surveys, when held, must be reported in detail and serially 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 summarised in the form shown below. Whenever the replacement of Anchors or Chains is reported, the particulars should be clearly stated in the space provided on the back of this form. 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 to whom and why they were declined

copy herewith. Was a damage report made by anyone else? If so, by whom? Messrs. Swinwright

REPAIRS, OR EXAMINATION AS PER RULE, FOR DAMAGE. Stated to have been sustained through striking a submerged object on the 23rd May 1931 whilst on a voyage from Montreal to Dunkirk.

PART 2ND SPECIAL SURVEY No 3. DUE 10.31.

DAMAGE. Repairs now done.

Vessel placed in dry dock, bottom &amp; rudder cleaned and examined and recoated.

Lower part of Stem removed, furnace, faired &amp; replaced.

Please see Continuation.

TANK.

SUMMARY OF DAMAGE REPAIRS:—

Renewed 10. Frames. R. Frames. Floors. Beams. Str. Plates. Dh. Plates. Other Items:—

Removed and Faired or Repaired 13. Lower part of Stem. 1 length bulge keel

Faired or Repaired in place 3. 16. 1 length Bilge Keel.

PRESENT CONDITION OF THE

Decks good State if Tanks have been examined inside yes

Caulking of Decks " State if Tanks now tested yes

Coamings " Bulkheads good

Beams &amp; Fastenings " Ceiling " "

Outside Plating " Cement or Asphalt bonded " "

Breasthooks " Rudder " "

Transoms " Steering gear and its connections " "

Frames " Windlass " "

Reverse Frames " Have Pumps now been examined and found efficient? yes

Longitudinals " Have Sluice Valves now been examined and found efficient? yes

Transverses " Have Watertight Doors now been examined and found efficient? not exd.

Floors good " Have Ventilators and their Coamings been examined and found efficient? yes

Keelsons " "

Stringers " "

Inner Bottom Plating " "

Dblg. Plates under Sounding Pipes yes

Engine Room Skylights good

Coal Bunkers, Open'gs, Lids, &amp;c. " "

Scuppers " "

Cargo Hatchways " "

Hatches " "

Planking of Wood Vessels " "

Caulking ditto " "

Treenails ditto " "

Breasthooks &amp; Stemson ditto " "

Transoms, Pointers, &amp; Crutches ditto " "

Timbers of Frame at openings ditto " "

Ditto ditto at other places ditto " "

Stringers, Clamps &amp; Shells ditto " "

Saiting ditto " "

Copper, or Y.M. of Wood Vessels (State if on Feet). When put on, Month Year

Boats good

Masts, Yards, &amp;c. " "

Condition, how ascertained from deck

(State if wedges removed) no

Sails

Equipment letter 40.

Anchors, No. of 3 8 15 1K.

Cables (State if now ranged) yes

" length 270 size 1 3/2

" Rule length 270 fm size 2 1/2

Hawser &amp; Warps sufficient.

Standing and Running Rigging good

## General Observations, Opinion as to Class, Recommendation, &amp;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 now classed in the Register Book without fresh record of Survey," "to remain as classed and to have record of survey 124," or "to remain as classed and to have record of survey 124, and the notations of st No. 1-24 and pND24, &amp;c."

This vessel is eligible, in my opinion, to remain as now classed and to have fresh record of Survey 1, 31 Hpe with notation of 2nd special Survey No 3. when the Survey has been completed.

Survey Fee (per Section 20) 2

Special Damage or Repair Fee (if any) 1

Travelling Expenses (if chargeable) 2

Second Surveyor's Fee (if any) 2

Committee's Minute

Character Assigned

Fees applied for.

10.

Received by me,

19.

G. A. Millar

Surveyor to Lloyd's Register of Shipping.

3

Negative copies



5/s. "MILLPOOL"DAMAGE. CONTINUED.

Nos are from fore.

Shell Plating.	A	Strake	Plat No 1	Renewed
Port Side.	A	"	"	Nos 2 & 3. Removed, faired & replaced.
	B	"	"	Nos 1, 2 & 3 + 14 " " "
	C	"	"	No 1 Renewed
	C	"	"	Nos 3, 4 & 15 Removed, faired & replaced.
	D	"	"	No 1 Removed, faired and replaced
	D	"	"	No 13. Faired in place.
	E	"	"	No 1 Renewed
	F	"	"	No 1 " "
	G	"	"	No 1 " "
	G	"	"	No 2 Faired in place.
	H	"	"	No 2 Removed, faired & replaced.
Starboard side	A	"	"	No 1. Renewed
	A	"	"	No 2. Removed, faired & replaced.
	B	"	"	No 1 " " "
	C	"	"	No 1 Renewed
	E	"	"	No 1 " "
	F	"	"	No 1 " "
	F	"	"	No 15 Faired in place.
	G	"	"	No 1 Renewed

FP. Tank floor. No 7 Floor, Starboard side. faired in place.

Tank frames. Port side. Double frames at Nos 12, 13, 14, 15, 19, 21, 23 &amp; 24. faired in place

" " " Single " at Nos 125, 126 &amp; 127. faired in place

" " Starboard side. Double " at No 12, 13 &amp; 14 " " "

Tank margin Angle bar between frames No 22 &amp; 23 Port side " " "

Fore Peak frames No 6 &amp; 7 Faired in place.

4 Tunnel plates removed for access & replaced together with 7 Stiffeners  
Riveting in the vicinity of the damage hammer tested & defective rivets renewed.

All double bottom tanks opened out, cleaned &amp; examined internally

Fore &amp; after Peak opened out cleaned &amp; examined internally

All double bottom & Peak Tanks tested under water pressure, with  
all ceiling & limber lifted.

All broken &amp; disturbed Cement renewed

All new &amp; disturbed material recoated

Steering Gear.

Steering chain's annealed &amp; examined 8 feet renewed with tested chain

" Rods. 4 double eye ends renewed

" Block pins 4 renewed

" Rod pins 8 " "

" quadrant stop port side renewed

" 1 Buffer Spring renewed

Rudder tried for alignment. 1 pintle renewed.

Gear tried over after repairs &amp; found satisfactory.

5/s. "MILLPOOL"DAMAGE Repairs Contd.

Bilge Keel. Port Side. No 2 length Rewired.

No 5 length Faired in place.

No 6 " Removed, faired &amp; replaced

The Owners Superintendent stated that the vessel was now docked on account of damage. & that she would be drilled when submitted for survey. He desired however that the undormentioned items be now examined for the 2nd Special Survey No 3. Due 10, 31.

2nd S. S. No 3. now done.

Bottom shell plating to upper turn of bilge examined.

All double bottom tanks examined internally &amp; cement tested by hammering &amp; found adhering properly.

All double bottom & peak tanks tested as required by the Rules  
Fore & after Peaks examined internally

All ceiling &amp; limber removed. Bilges examined

Air & sounding pipes examined. Doublings under sounding pipes  
Sluice valves examined

Anchors &amp; chain locker examined

Chain cables ranged &amp; examined &amp; gauged.

Steering engine &amp; gear examined

Windlass examined

Lower Bunkers examined.

Stemframe &amp; Rudder examined

In view of the shell plating that were removed from the bottom it was not considered necessary to drill test holes in the bottom shell plating.

Wear & Tear Repairs now done.

Fore Peak 2 FP. B.H. plates doubled.

1 " Stiffener renewed &amp; 3 Stiffeners removed, faired &amp; replaced

After Peak. 1 Top stringer shell angle renewed. &amp; 8 defective rivets renewed.

Port Side, Bottom stringer cropped at fore &amp; after ends &amp; part renewed

No 5 frame below bottom stringer reinforced with a new reversed bar.

1 B.H. plate doubled at stringer bracket

Starboard side, Bottom stringer cropped at forward &amp; after ends &amp; part renewed.

Tunnel Recess:- 2 Stiffeners renewed.

" Bulkhead port side. 1 plate doubled

" 2 sluice valves overhauled.



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Ss. "Hillpool"Wear & Tear Repairs contd.No 2 Double Bottom Tank

Starboard side No 81. Floor reinforced with a 6" channel stiffener

" " No 82 " Cropped &amp; part renewed.

Centre line strake, in way of donkey boilers, renewed

2 Tank top plates each side in way of donkey boilers renewed.

Stokehold Bulkhead lowest strake " " " cropped &amp; part renewed.

Donkey Boiler Stools &amp; 2 Collision Chocks removed &amp; bottom angles renewed &amp; chock &amp; stools replaced

No 4 (Engine Room) Tank. a new doubling fitted on Starboard side

No 5 Double Bottom Tank

Port side. At Centre Girders Section. Nos 117, 119, 121, 123, 125, 127, 129, 131

133 &amp; 135 floors reinforced with 6 x 3 x 3 x 1/20 channels.

W.T. B.H.s.

No 1 Hold B.H. Starboard side. a local doubling fitted in way of bulge

Engine Room " Port " " " " " "

No 4 Hold " " " " " " " "

Coal Bunkers

2 Coal Shoot plates renewed.

2 " " Corner Angles "

1 Pocket Bunker coaming plate, port side renewed together with angles

1 " " " " Starboard " " " "

Side Bunkers. Port side &amp; Starboard side. Slays &amp; brackets removed. 2 new fore &amp; aft

Girders fitted with 2 slays from ship's side to bunker side - each side

Port side 4 Bunker wall plates cropped &amp; part renewed

" " 2 " " Stiffeners part renewed.

Starboard 3 " " plates cropped &amp; part renewed.

Various minor repairs effected.

Bunkers scaled &amp; recoated.

Bulges, Tank Top &amp; Peaks scaled &amp; recoated.

Double Bottom Tanks scaled or scraped &amp; recoated where necessary.

All defective ceiling renewed.

To Complete the Survey the following items require to be dealt with

Holds. Tween Decks, Upper Bunkers, Engine &amp; Boiler Spaces, Drilling, weather decks, Trunk, Hatchways, Covers, webs, Tarpanlins, Masts, spars &amp; Rigging, General Equipment, Pumps, W.T. doors, Ventilators, W.T. B.H.s. above Bilges, Sole pipes &amp; Rudder Trunk, Shell plating above the Cement line, Fidley, Casings, deck houses. Freeboard verify.



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