20 OCT 1931

(Received at London Office)

No. 87646

Rpt. 8.

REPORT of SURVEY for REPAIRS, &c.

NEWCASTLE-ON-TYNE

Date of writing Report ..... 19.. When handed in at Local Office 17/10/31 Port of

No. in Reg. Book. 28524 Survey held at North Shields. Date, First Survey 29 Sept (No. of Visits 10.) Last Survey 18 Oct 1931

on the ~~Wood, Iron or~~ Steel Sc. Sr. "MILLPOOL"

TONNAGE: GROSS 4218 UNDER DK. 3608 NET 2707

Built at Stockton By whom Ropner & Son. When YEAR 1906 MONTH 10

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

Managers Sir R. Ropner & Co. Ltd. Port belonging to W. Hartlepool

Surveyed Afloat or in Dry Dock? both Name of Dock Smiths. Destined Voyage

WB=CellDBorDBa ..... feet; uE&B ..... feet; f ..... feet

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 thicknesses of the floors, framing, girders, and of the inner bottom plating, especially in the boiler space.

Last Report, No. 17061 Port Hpl.

(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 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.

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 and Certified.	Machinery and Boiler Surveys (including date of N.R., if any).
+100 A.1.		+ LMC 1.28
Trunk dk. no shear		BS. 2.31
7.31		CL 7.31
S.S. Shft. No 3 - 10.19		
S.S. Shft. No 2 - 28		NSB 54

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.

Society's Freeboard (if assigned) as painted on Ship and now verified 5 ft. 4½ ins.

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

REPAIRS, OR EXAMINATION AS PER RULE, FOR COMPLETION OF 2ND SPECIAL SURVEY No. 3. (see also Hpl. report No. 17061).

Now done Vessel placed in dry dock, bottom & rudder cleaned & examined. Examined holds, tween decks, upper bunkers, Engine & boiler spaces, weather decks, trunk, rudder trunk & plating in way of sidelights & soil pipes. Oxidation removed as necessary for examination of steel work. Examined masts, rigging (wedges removed), hatches, hatchways, hatch & ventilator coamings, casings, tarpaulins, general equipment & watertight doors. Hand pumps forward tested. Freeboard verified. Shell plating drilled (for results of drillings see Rptr.)

SUMMARY OF DAMAGE REPAIRS:—	Shell Plates.	Frames.	R. Frames.	Floors.	Beams.	Str. Plates.	Dk. Plates.	Other Items:—
Renewed								
Removed and Faired or Repaired								
Faired or Repaired in place								

PRESENT CONDITION OF THE

Decks	good	State if Tanks have been examined inside	no	Dbling. Plates under Sounding Pipes	✓
Caulking of Decks	"	State if Tanks now tested	no	Engine Room Skylights	good
Coamings	"	Bulkheads	good	Coal Bunkers, Open'gs, Lids, &c.	"
Beams & Fastenings	"	Ceiling	"	Scuppers	"
Outside Plating	"	Cement or Asphalt (State which.)	✓	Cargo Hatchways	"
Breasthooks	✓	Rudder	good	Hatches	"
Transoms	✓	Steering gear and its connections	"	Planking of Wood Vessels	
Frames	good	Windlass	"	Caulking ditto	
Reverse Frames	✓	Have Pumps now been examined and found efficient?	yes	Treenails ditto	
Longitudinals	✓	Have Sluice Valves now been examined and found efficient?	✓	Breasthooks & Stemson ditto	
Transverses	✓	Have Watertight Doors now been examined and found efficient?	yes	Transoms, Pointers, & Crutches ditto	
Floors	✓	Have Ventilators and their Coamings been examined and found efficient?	yes	Timbers of Frame openings ditto	
Keelsons	✓			Ditto ditto at other places ditto	
Stringers	good			Stringers, Clamps & Shelfs ditto	
Inner Bottom Plating	✓			Sdling (State if examined.) ditto	

Copper, or Y.M. of Wood Vessels (State if on Felt). When put on Month	Year		
Boats	good		
Masts, Yards, &c.	"		
Condition, how ascertained	aloft		
(State if wedges removed)	yes		
Sails	✓		
Equipment letter	W.		
Anchors, No. of	3 B 1 S 1 K		
Cables (State if now ranged)	no		
" length (on board)	size		
" Rule length	✓ size		
Hawser & Warps	good		
Standing and Running Rigging	"		

General 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 now classed in the Register Book *without fresh record of Survey*," "to remain as classed and to have record of survey 1.24," or "to remain as classed and to have record of survey, 1.24, and the notations of *ss No.* 1-24 and ptxD24, &c."

This vessel is eligible in our opinion to remain as classed & to have fresh record of survey 10.31 Shft & notation of S.S. Shft 2nd No 3 - 10.31.

Survey Fee (per Section 29) ..... £

Special Damage or Repair Fee (if any) (per Sec. 29) ..... £

Travelling Expenses (if chargeable) ..... £

Second Surveyor's Fee (if any) ..... £

Fees applied for, 19..

Received by me, 19..

Alex E Stevenson. A. Urwin

Thomas S. Steele.

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Character Assigned

Has a survey also been held on the Machinery of the Ship? If so, is the Report sent now, or when will it be sent? As Certificate required? If so, to be sent to.

The Surveyors are requested not to write in the space for Committee's Minute.

Ink Ink.—Transfer Ink.

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.

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THE MARGIN.

87646

S.S. "MILLPOOL" Con'd

Main Boilers Examined internally & externally with mountings, doors & fastenings.

Blr. Repairs: Rivets removed from the back landings of furnaces (Port Blr: Centre & starboard, Stbd. Blr: Centre) holes re-countersunk & rivets renewed. Landings welded on water side around upper halves only. About ½ stay nuts removed & stays re-caulked.

Various end seams caulked.

Mountings overhauled.

Machinery Repairs: Main Steam pipe annealed & tested as per Rules.

Crankshaft lifted, all main bearing lower halves remetalled & shaft re-bedded. All eccentric straps remetalled & re-adjusted. H.P. slide valve & loose face machined. L.P. piston packing ring refitted, fund ring machined. Air pump re-jacketed & Condenser. Main Condenser fitted out, tubes cleaned & all ferrules renewed, afterwards tested. Feed Pump rams skimmed up, gland stuck bushes renewed. H.P. crosshead bearing (top half) renewed. Pump crosshead bearings built up by Electric welded & re-machined, brasses re-adjusted. General service pump suction & delivery valves renewed, seats machined.

D.S.T.

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