

Rpt. 8  
Date of writing Report 23/9/57. When handed in at Local Office  
Survey held at Preston. No. of Visits 2 First Date 16/9/57 19 Last Date 18/9/57 19  
Port FLEETWOOD. 169 Received London 2 OCT 1957 No. 147681

REPORT OF SHIP SURVEYS AND REPAIRS

WRECK SECTION  
No.

No. in R.B. 13914 on the Iron or Steel M.S. S.S. "HORNO". Tons gross 1493  
Built at Bergen. By Whom Bergens M/V When 1916  
Owners Rederi A/B Norrland. Owners' address (If not already in R.B.)  
Managers Axel F. Andersson. Port of Registry Harnosand.  
Surveyed Afloat or in Drydock Afloat. Name of Dock Preston Dock. Date of last examn. in Drydock  
N.B.—Any alterations in existing particulars in the Register Book should be reported and underlined.

Last Report: No. 32640 Port. Particulars of Classification (which must be inserted precisely as in Register Book and Supplement)  
To be filled in at Head Office.

Surveys must be reported in the terms of the Rules. The nature and extent of Examinations and Repairs (if any) must be stated in detail, the parts examined and their condition being clearly indicated. For Annual, Special or other Condition Surveys the Summary of Examination and Condition on the back of the Report is to be carefully completed and amplified if necessary in the body of the Report. Outstanding items to complete the Survey should be summarised at the end of the Report. The reasons for Repairs must be stated. Repairs on account of Damage (the alleged 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 below. When, at a Special Survey, the Shell and Deck Plating is drilled the results must be reported on Report 8(Dr). Whenever Anchors or Chain Cables are replaced or retested the necessary particulars are to be given on Report 8(Eq) which is to be attached to this Report.

SHIP'S CLASS		Machinery	
Date of Special and of Drydocking Surveys, etc.			
100 Al.	2,57	LMC.	
SS. Skm. (Dr) 5,54.		ES.	5,54
		MBS.	4,57
		OG.	8,56
		SPS.	5,54.
			ND.

Give dates and references to any letters relating to this Report  
In damage cases where the Surveyor has not made a special damage report he should state whether he offered his services for this purpose and to whom and why they were declined. Yes Freeboard as marked on ship and now verified Not ft verified  
Not required Was a damage report made by anyone else? If so, by whom? Yes—Underwriters Surveyors.

EXAMINATION AND REPAIRS AS PER RULE FOR DAMAGE.  
attended at request of Owners representative to examine damage stated sustained by collision with M.V. "KAREN HORDEN" at 3 P.M. on 15/9/57 in River Ribble, whilst vessel proceeding to Preston from Manchester.  
for further particulars please see log books.  
Damage in way of foc'sle (ps).

WORK DONE FOR DAMAGE : - Foc'sle sheerstrake plates No 1 and 2 (ps) - upper landing set in together with shell connecting angle .  
Foc'sle deck stringer plate (ps) - set down and buckled at shell connecting angle.  
Foc'sle wood deck (ps) - disturbed in way of above, ( 5 strakes).  
Stembar - upper 4 feet set back, and fashion plate (ps) in way buckled and torn.  
Stem breasthook ( for foc'sle fashion plates) - buckled and torn.  
TEMPORARY REPAIRS : - Foc'sle deck stringer gutterway (ps) now fitted as an efficient full length cement box.  
Foc'sle fashion plate (ps) - after torn end now cut off and 1 deck stanion and 3 rails fitted satisfactorily.  
Breasthook removed and a new one fitted to suit distorted fashion plate.  
Sprung rivets E/W as necessary, wood decking and stem plating caulked as necessary.  
All repairs examined on completion and found satisfactory.

SUMMARY OF DAMAGE REPAIRS							
	Shell Plates	Frames	R. Frames	Floors and Bracket Floors	Inner Bottom Plates	Deck Plates	Beams
Renewed							
Removed and Faired or Repaired							
Faired or Repaired in place							

Has a Survey also been held on machinery of the Ship? No Is Classification Certificate required? If so, to be sent to No  
Is the Report sent now, or when will it be sent? - Has Interim Certificate been issued? Yes

GENERAL OBSERVATIONS, OPINION AND RECOMMENDATION AS TO CLASS  
State clearly what alteration, if any, is suggested to be made in the existing Classification or Survey or other records of the Ship in the Register Book consequent upon this survey; for example:—"to remain as Classed in the Register Book without fresh record of Docking"; "to remain as Classed and to have record of drydocking 1,55"; or "to remain as Classed and to have record of drydocking 1,55, and the notation of S.S. . . . 1,55".  
This vessel as now seen is in good condition and eligible in my opinion to remain as now classed without fresh record of D.S. subject to stem and foc'sle plating (ps) being permanently repaired at the next Special Survey, and as previously recommended to set up shellplating and buckled floors & etc., in way of No 2 Tank (ps) and to shellplating in E.F. and G strakes (psf) being permanently repaired at the next Special Survey.

E. J. Atkins  
Surveyor to Lloyd's Register of Shipping

LIVERPOOL -1 OCT 1957  
As now amended subject  
Delete LUSO 5,58 & insert  
Write Skm "Surveys overdue plus suspended 6,54" 5,58  
TUESDAY 26 JAN 1960  
Lloyd's Register Foundation  
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TABLE 1

PARTS OF THE SHIP AS INDICATED BELOW HAVE BEEN EXAMINED FOR..... DAMAGE ( TEMPORARY REPAIRS )..... SURVEY.

Items	Now Examined YES NO or NONE	Tanks	Now Examined Internally	Now Tested
Shell plating, sternframe and rudder cleaned, examined and recoated in drydock		F.P. Tank		
Rudder lifted		A.P. "		
Weather Decks, Superstructures and Casings		D.B. Tanks (indicate Oil Fuel and Cofferdams		
Hatchways, Covers, closing and securing appliances				
Ventilator coamings, skylights, companionways and closing appliances		Fresh Water Tanks		
Holds		Deep Tanks		
'Tween Decks		Oil Fuel Bunkers and Settling Tanks		
Fore Peak Spaces		Side Tanks		
After " "		Wing Tanks		
Engine Space		Other Tanks		
Boiler " "		Cargo Tanks (Tankers)		
Under Engines and Boilers				
Tunnel and Well		Cofferdams		
Coal Bunkers				
Chain Locker		Pump Rooms		
Other Spaces				
		Have Tanks now Examined been Cleaned as Necessary?		
		Have Strums in Cargo Tanks (of Tankers) been removed?		
		Have Tanks been Retested as necessary after completion of any Repairs?		

Have the spaces now surveyed been cleared and cleaned as necessary?

Have the close ceiling and cargo battens, linings, pipe casings, etc., been removed and replaced as required by the Rules?

Have the bilges been cleaned out and examined?

Has cement in bottom been examined?

Has steelwork had rust removed and afterwards been recoated as necessary?

Were inspection plugs or any insulation removed in insulated spaces for examination of steelwork?

**Has a Load Line Survey been held?**

If so, state which.

Have the shell and deck plating been drilled as per Rule?

If so, Report 8(Dr) to be attached.

Have any alterations to the approved scantlings and arrangements now been effected?

If so, report details in body of Report.

NOTE:—Indicate which compartments and/or tanks have been examined or tested by giving the identification numbers and inserting the word "Yes", e.g. Holds: Nos. 1, 2 & 3—Yes; or All—Yes.

TABLE 2

The present condition of the following parts in so far as examined is to be reported:—

Shell plating .....	Ceiling and Cargo Battens .....	Sluice Valves examined and found .....
"    "    in way of side scuttles .....	Cement or Asphalt .....	Air and Sounding Pipes .....
Rudder and Sternframe .....	Cargo and other Hatchways .....	Doubling Plates under Sounding Pipes .....
Decks .....	Hatches and closing appliances .....	Masts and Rigging examined and found .....
Superstructures and their closing appliances .....	Ventilators, their coamings .....	Condition, how ascertained .....
Coamings and Casings .....	and closing appliances .....	(State if wedges removed)
Beams and Fastenings .....	Companionways and Skylights .....	Chain Locker .....
Frames .....	Shell Openings .....	<b>EQUIPMENT</b>
Reverse Frames .....	Ash Shoots .....	Equipment Letter .....
Longitudinals .....	Overboard Discharges and Scuppers .....	Anchors, No. of .....
Transverses .....	Freeing ports .....	Condition .....
Floors .....	Steering Gear (Main and Auxiliary) .....	Cables (State if now ranged and examined) .....
Keelsons .....	examined and found .....	"    length .....
Stringers .....	Windlass examined and found .....	mean diam. ....
Inner Bottom Plating .....	Pumps " " " .....	(on board)
Bulkheads and Tunnel .....	W.T. Doors " " " .....	"    Rule Length .....
		Size .....
		Hawsers and Warps .....
		State if any Anchors or Chain Cable have .....
		now been supplied or retested, if so, .....
		complete Report 8(Eq) and attach. ....

Have conditions (A) or endorsements (B) of Class (if any) been dealt with?

No

**See Below**

REMARKS, REPAIRS, Etc. (Contd.) ..... It is recommended that the damage to stem and fore'sle plating (ps) be attended to as necessary at the next Special Survey, and considered to be efficient meantime.

Antwerp Report No.32078 of 12/2/57. " Subject to set up shell plating and buckled floors & ect in way of No 2 D.B. tank (ps) and to set in shellplating in E.F. and G strakes (psf)

being permanently repaired at the next Special Survey".

Nothing done at this time.

### Survey Fee

Special Damage or ~~Repair~~ Fee (if any)

Travelling Expenses (if chargeable)....

*Second Surveyor's Fee (if any)*

Date when A/c. Rendered

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26 SEP 1957