

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

Date of Survey Report 18/5 33 When handed in at Local Office 18/5 33 Port of Oslo  
No. in Survey held at Fredriksstad Date, First Survey 1912.32 Last Survey 1933  
Reg. Book. 76913 on the Wood, Iron or Steel S/S "HELLE"

TONNAGE: Built at Wilmington Del. By whom Pusey & Jones Co. When 1918 5  
GROSS 2467 Owners Rederi A/S Henneseid Owners' Address Porsgrunn  
UNDER DECK 2162 Managers Thoralf Holta Port belonging to Porsgrunn  
NET 1398

Surveyed Afloat or in Dry Dock? fl. dock. Name of Dock F.m.G. Destined Voyage  
WB=CellDBorDBa feet; uEsB 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. 21474 Port Ret

(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

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.

+100 A1  
9.32

Machinery and Boils  
(including date of N.B., if any).

BS 9.32  
+LMC 11.30

agAnt. No.3-11.30

T.S. 9.32

CARGO BATTENS NOT FITTED.

Society's Freeboard (if assigned) as *Norsk Veritas* ins.  
painted on Ship and now verified

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

REPAIRS, OR EXAMINATION AS PER RULE, FOR Annual and repairs.

This vessel placed in floating dock, the bottom and rudder, stem and stern frame examined.

Generally examined deck, hatch coaming and hatches and means of securing same, ventilators, casing, etc. Det Norske Veritas' freeboard has been marked.

The bottom painted.

Repairs effected:- A number of shell rivets (abt. 500) renewed.

A few rivets in coal bunkers repaired temporary by electric welding. It is arranged with the owner that these rivets, a number of wasted shell rivets in coal bunker shall be renewed at next dry docking (as the bunkers were now filled up by coal).

The turbine engine and the original engines seat have been removed, new engine (see machinery report) with new engine seat fitted. The engine tank tested.

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	State if Tanks have been examined inside	Dblg. Plates under Sounding Pipes	Copper, or Y.M. of Wood Vessels
Caulking of Decks	State if Tanks now tested	Engine Room Skylights	(State if on Felt)
Coamings	Bulkheads	Coal Bunkers, Open'gs, Lids, &c.	When put on, Month Year
Beams & Fastenings	Ceiling	Scuppers	Boats
Outside Plating	Cement or Asphalt (State which.)	Cargo Hatchways	Masts, Yards, &c.
Breasthooks	Rudder	Hatches	Condition, how ascertained
Transoms	Steering gear and its connections	Planking of Wood Vessels	(State if wedges removed)
Frames	Windlass	Caulking ditto	Sails
Reverse Frames	Have Pumps now been examined and found efficient?	Treenails ditto	Equipment letter
Longitudinals	Have Sluice Valves now been examined and found efficient?	Breasthooks & Stemson ditto	Anchors, No. of
Transverses	Have Watertight Doors now been examined and found efficient?	Transoms, Pointers, & Crutches ditto	Cables (State if now ranged)
Floors	Have Ventilators and their Coamings been examined and found efficient?	Timbers of Frame at openings ditto	" length (on board) size
Keelsons		Ditto Ditto at other places ditto	" Rule length size
Stringers		Stringers, Clamps & Shells ditto	Hawser & Warps
Inner Bottom Plating		Salting (State if examined.) ditto	Standing and Running Rigging

## 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, 1.24," or "to remain as classed and to have record of survey, 1.24, and the notations of ss No. 1-24 and ptND24, &c."

Recommend this vessel to continue as now classed in the Register Book with fresh record of survey 4.33, subject to a number of wasted rivets and also a few temporary repaired by electric welding, in way of coal bunkers, being renewed at next drydocking.

Survey Fee (per Section 29) Kr. 180.-

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

Travelling Expenses (if chargeable)

Second Surveyor's Fee (if any)

Committee's Minute

Character Assigned

5.3.33

100A1 subject cargo battens not fitted

+NE 4.33

+LMC 4.33

Fees applied for, 18/5 1933

Received by me, 6/6 1933

TUE. 13 JUN 1933

TUE. 27 JUN 1933

Surveyor to Lloyd's Register of Shipping.

Dele Carp battens not fitted

White Ash

Foundation