

COPY.

N<sup>o</sup> 28946<sup>a</sup>

# Lloyd's Register of Shipping.

2- OCT 1945



Port of ROTTERDAM.

6th September 1940.

This is to Certify that

L. Vuyk,

the undersigned Surveyor to this Society, did at the request of the Owners hold a survey on the Dutch motor tanker "COPI" of 1000 tons gross, whilst placed in the Prins Hendrik drydock at this port on the 17th of April 1940 and on subsequent dates in order to ascertain the nature and extent of the damages alleged to have been sustained in way of No. 4 to 7 centre and wing cargo tanks through striking a magnetic mine on the 20th of March nineteen hundred and forty on a voyage from the Downs to Rotterdam. For further particulars see Logbook.

The following repairs have been recommended and carried out :

The vessel has been placed in drydock, bottom and rudder cleaned and examined and the following repairs in way of No. 4 - 7 centre and wing cargo tanks carried out :

C strake starboard plates 9 and 10 renewed; plates 8 and 11 removed, faired and replaced.

D strake starboard plates 8, 9, 10 and 11 renewed; plate 2 faired in place.

E strake starboard plates 7, 8 and 9 renewed; plate 10 removed, faired and replaced.

F strake starboard plates 16, 17, 18, 19 and 20 renewed; plate 21 removed, faired and replaced.

G strake starboard plates 10, 11, 12 and 13 renewed

H strake starboard plates 11, 12 and 13 renewed; plate 14 removed faired and replaced.

J strake starboard plates 13, 14 and 15 renewed.

K strake starboard plates 13 and 14 renewed, plate 15 faired in place.

L strake starboard plate 15 renewed; plate 16 removed, faired and replaced; teebar and bulbplate starboard bilge keel in way repairs renewed.

M strake port plates 10, 11 and 12 faired in place.

N strake port plate 11 cropped and partly renewed.

In way of the above in No. 4 wing tank starboard:

Lower and second stringer on forward transverse bulkhead removed, faired and replaced; teebars on this bulkhead renewed; 4 brackets of longit frames to bulkhead removed, faired and replaced.

No. 5 wing tank starboard:

14 side frames (No. 118- 132) with bilge brackets and brackets to deck renewed.

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This Certificate is issued upon the terms of the Rules and Regulations of the Society, which provide that:—

"While the Committees of the Society use their best endeavours to ensure that the functions of the Society are properly executed, it is to be understood that neither the Society nor any Member of any of its Committees is under any circumstances whatever to be held responsible for any inaccuracy in any report or certificate issued by the Society or its Surveyors, or in any entry in the Register Book or other publication of the Society, or for any error of judgment, default or negligence of any of its Committees or any Member thereof, or the Surveyors, or other Officers or Agents of the Society."

Upper, 2nd and lower stringers with all angle and teebar 2- OCT 1945 connections and brackets renewed.

9 panting beams on these stringers with brackets renewed; 3 bottom transverses ( No. 121, 125 and 129 ) with brackets and all connections renewed; 6 longitudinal frames with brackets to transverse bulkheads and lugs to transverses renewed; 7 longitudinal beams and brackets to transv. bulkhead 133 renewed; No. 121 and 125 webbeams with brackets removed faired and replaced; No. 129 webbeam with brackets renewed. Transverse bulkhead 117 - stiffeners below lower stringer and brackets faired in place; 1 plate of this bulkhead renewed; boundary bar at shell and bottom renewed.

No. 6 wing tank starboard:

14 side frames (No. 134 - 148) with bilge brackets and brackets to deck renewed;

Transverse bulkhead 133 with all stiffeners, boundary bars, brackets and teebar connections renewed.

Transverse bulkhead 149 with all stiffeners, boundary bars, brackets and teebar connections renewed.

Upper, 2nd and lower stringers with all angle and teebar connections and brackets renewed.

9 panting beams on these stringers with brackets renewed; 3 bottom transverses (No. 137, 141 and 145) with brackets and all connections renewed; 6 longitudinal frames with brackets to transv. bulkheads and lugs to transverses renewed; 7 longitudinal deckbeams and brackets to transv. bulkheads 133 and 149 renewed; 3 webbeams ( No. 137, 141 and 145 ) with brackets renewed.

No.7 wing tank starboard ;

3 side frames renewed, bilge brackets of same removed, faired and replaced.

5 side frames with bilge brackets removed, faired and replaced; 2 sideframes faired in place.

Upper, 2nd and lower stringers on shell and longitudinal bulkhead removed, faired and replaced.

lower stringer on transv. bulkhead 149 with all brackets and tee connections renewed.

4 stringer brackets to transv. bulkhead renewed; 2 bottom transverses (No. 153 and 157) with brackets and all connections removed, faired and replaced; 6 panting beams removed, faired and replaced; brackets for same with teebar connections to long.bulkhead renewed.

3 panting beams of upper stringer with brackets removed, faired and replaced.

teebars of bottom transverses to long. bulkhead removed, faired and replaced.

No.5 centre tank:

3 bracket stringers to starboard long.bulkhead removed, faired and replaced.

Centre keelson from No.129 to 133 frames, brackets to C.K. and transverse bulkhead 133 and brackets to C.K. and bottom removed, faired and replaced.

Transv. bulkhead 133-; 2 plates on starboard side and boundary bar renewed, 3 stringers removed, faired and replaced and brackets to long. bulkhead renewed.

1 bottom transverse (No.121) and face bar faired in place; bracket to long.bulkhead removed, faired and replaced.

2 bottom transverse (No.125 and 129) partly renewed.

Starboard longitudinal bulkhead: 4 plates renewed; 1 plate removed, faired and replaced; connecting angles of long.

bulkhead to bottom and deck renewed; 13 stiffeners renewed;

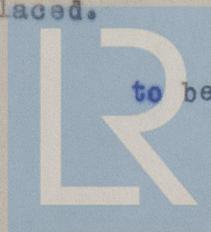
1 stiffener removed, faired and replaced; brackets with lugs

to stiffeners and bottom and deck renewed; all teebar connect on on long.bulkhead renewed.

Port longitudinal bulkhead: 14 stiffeners with bottom brackets

removed, faired and replaced; 6 bracket stringers to long.

bulkhead removed, faired and replaced.



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## Continuation sheet No.2

## No.6 centre tank:

Centre keelson from No. 133 - 137 frames renewed; brackets to C.K. and transv.bulkhead 133 and brackets to C.K. and bottom removed, faired and replaced.

Transverse bulkhead 133 : 3 stiffeners renewed; 3 stiffeners and brackets removed, faired and replaced.

1 bottom transverse (No.137) partly renewed, 2 bottom transverses (No. 141 and 145) faired in place; 2 face bars on bottom transverses removed, faired and replaced; 4 face bars faired in place; 3 brackets to bottom transverses and starboard long. bulkhead renewed;

3 long bottom frames with brackets removed, faired and replaced.

starboard longitudinal bulkhead: 4 plates renewed; 2 plates removed, faired and replaced; 12 stiffeners renewed; 4 stiffeners removed, faired and replaced; connecting angles of long.bulkhead to bottom and deck and vertical corner angles renewed; all teebar connections on longitudinal bulkhead renewed; 6 hor. brackets removed, faired and replaced.

Port longitudinal bulkhead: 16 stiffeners with bottom brackets and 6 hor. brackets removed, faired and replaced.

No.7 centre tank: Transv. bulkhead 165- 10 teebars to long. bottom frame brackets renewed; 10 frame brackets removed, faired and replaced; 4 stringer brackets removed, faired and replaced.

Starboard long.bulkhead: 9 stiffeners with bottom brackets removed faired and replaced. 1 bulkhead plate part renewed; 2 bulkhead plates removed, faired and replaced, 2 bulkhead plates faired in place; 3 brackets to long. bulkhead and stringers removed, faired and replaced;

Port long. bulkhead: 3 stiffeners and bottom brackets removed, faired and replaced; vertical corner angles cropped and partly renewed; teebars and brackets repaired as required.

## No.5 wing tank port:

Upper stringer to long bulkhead and teebar connections renewed; 3 panting beams with brackets renewed; lower stringer removed, faired and replaced; one bottom transverse faired in place; bracket to bottom transverse and long. bulkhead removed faired and replaced.

## No.6 wing tank port:

Upper stringer to long. bulkhead and teebar connections renewed; 3 panting beams with brackets renewed; 3 teebars to long.bottom frame bracket renewed; 1 bulkhead plate of No.133 bulkhead faired in place.

## No.7 wing tank port:

Stringers partly riveted; 3 panting beams with brackets renewed; bulkhead No.149-7 stiffeners and 5 brackets and bracket lugs removed faired and replaced; 3 brackets renewed; 3 bulkhead plates faired in place; 2 hor. stringer brackets renewed;

Forward Cofferdam- 3 hor.stiffening plates removed faired and replaced;

Deckplating starboard:- 1 stringerplate renewed; 2 plates in 2nd strake renewed; 1 plate in 3rd strake renewed; 2 plates in 3rd strake removed, faired and replaced; 5 bulwarkstanchions removed, faired and replaced; Tankhatches No.5 and 6 starb. wing tanks removed and replaced; 1 tanklid renewed; 1 length stringer angle removed, faired and replaced; bulwark plating and rail removed, faired and replaced; Windlass overhauled and made in good working order; A number of started rivets in shell plating in way forepeak tank, deeptanks and cargo tanks renewed, and caulking of seams and butts overhauled;

Upon completion of repairs:forepeak tank, deeptanks, forward cofferdam and Nos. 7.6.5 and 4 centre tanks and starb.and port wing tanks filled to top of trunk and all parts found sound and tight. Bottom and rudder and all renewed and repaired parts recoated; 3 lifeboats renewed and a number of minor repairs carried out all fore and aft.

A copy of this report will be forwarded to Lloyd's Register Office, London.



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