

DISCLOSED

SECTION

No. 960

Rpt. 9

DISCLOSED

SECTION

No. 960

13. AUG. 1962

Date of writing report 4/8/62

Received London

Port SANTOS (Brazil)

No. 3320

Survey held at SANTOS

No. of visits 4

First date 24/7/62

Last date 3/8/62

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 40641 Name M.V. "JOSEF CONRAD"

Gross tons 5752 Date of build 11/1961

Owners Polish Government Managers Polish Ocean Lines

Port of Registry Gdynia

Engines made Rka. By Brodogradiliste III Maj.

Type 2 SA - 6 Cy.

No. of Main Engines 1 No. of Screws 1

Records of Survey & Special Notations as per Register Book

No. of Main Boilers - W.P. -

Hull

Machinery

No. of Aux./Donkey Boilers 2 W.P. 100

Surveyed Afloat or in Dry Dock afloat  
Nature of Survey damage, repair & C.S.

+100 A1

+LMC

DS 9/61

ABS 11/61

Was Damage Report issued? Yes. Int. Cert.? Yes.

ES 11/61

Last Report (For Head Office only) 8/6/64 R10

TS(CL) 11/61

SPS 11/61

No. -

The condition of any of the following items is to be described as "good" only when the part has been examined, found or placed in good condition, and is considered to be acceptable until the due date of the next Periodical Examination. Where it is considered that re-examination or repairs should be effected before the due date of the next Periodical Examination a distinguishing mark thus † should be inserted against the item and the circumstances and action recommended described fully under "defects and repairs". At part or complete Special Surveys those items which are not applicable to the ship should be cancelled with a black line; this need not be done when the machinery is on a continuous survey basis. When any part has been subjected to pressure test this should be stated. Engine parts when referred to by numbers should be counted from forward.

DOCKING Propellers ..... Wear Down of Stern Bushes ..... Oil Glands ..... Sea Connections .....

Fastenings ..... Has Screwshaft Tubeshaft been drawn? ..... Date of Examination ..... Has Shaft been changed? .....

Has Shaft now fitted been previously used? ..... Has Shaft now examined/fitted a continuous liner? ..... Approved oil gland? .....

MAIN ENGINES (Recip. Steam or I.C.) ROBEK STARBOARD

1 Cyls., Covers, Pistons & Rods .....

2 Valves & Gears Exhaust only - All units (6) : Good (+)

3 Connecting Rods, Top Ends & Guides { Side .....  
Centre .....

4 Crankpins & Bearings { Side .....  
Centre .....

5 Journals & Bearings .....

### MAIN ENGINE DRIVEN AIR COMPRESSORS

6 Cyls., Covers, Pistons & Rods .....

7 Connecting Rods & Top Ends .....

8 Crankpins & Bearings .....

9 Journals & Bearings .....

10 Coolers & Safety Devices .....

### MAIN ENGINE DRIVEN SCAVENGE PUMPS

11 Cyls., Covers, Pistons & Rods .....

12 Connecting Rods & Top Ends .....

13 Crankpins & Bearings .....

14 Journals & Bearings .....

15 Levers .....

16 SCAVENGE BLOWERS .....

17 SUPERCHARGERS .....

### MAIN TURBINES

18 Casings, Rotors, Blading, Bearings & Thrusts .....

19 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES) .....

20 STEAM COMPRESSORS .....

21 CLUTCHES & HYDRAULIC COUPLINGS .....

22 REDUCTION GEARING .....

23 THRUST BLOCKS, SHAFTS & BEARINGS .....

24 INTERMEDIATE SHAFTS & BEARINGS .....

25 HOLDING DOWN BOLTS & CHOCKS .....

26 CONDENSERS (MAIN & AUX.) .....

27 STEAM RE-HEATERS .....

28 DE-SUPERHEATERS .....

29 STOP & MANOEUVRING VALVES .....

30 MAIN ENGINE DRIVEN PUMPS .....

31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES .....

Have Main Engines been tested working and manoeuvring?

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this ship, as now seen, is in good condition and eligible in my opinion to remain as now classed in the Register Book with fresh record of C.S. (with date), when the survey has been completed to Rule Requirements. Subject to all other conditions, at present attached to the ship's class by the Society's Surveyors, being dealt with as previously recommended.

Date of Committee

MONDAY 27 AUG 1962

Decision

As now



Has a Survey also been held on Ship? If so, is the Report sent now, or when will it be sent?

If certificate is required state when to be sent

32 Essential Independent Pumps (Identify by position).....  
 33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls.....  
 34 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary?.....  
 35 Fresh Water Coolers..... 36 Lub. Oil Coolers..... 37 Heaters (state service).....  
 38 Independent Air Compressors, Coolers & Safety Devices.....  
 39 Air Receivers & Safety devices—Main..... 40 Auxiliary.....  
 41 Oil Fuel Tanks (Not forming part of hull structure).....  
 42 Evaporators..... 43 Have Evaporator Safety Valves been tested under steam?.....  
 44 Steering Machinery..... 45 Windlass..... 46 Fire Extinguishing Arrangements.....  
 AUXILIARY ENGINES (Identify by position).....

PROPULSION		ELECTRICAL EQUIPMENT		AUXILIARY EQUIPMENT	
PORT		STARBOARD		AUXILIARY EQUIPMENT	
a	Generators			l	Generators & Governors
b	Exciters			m	Motors
c	Air Coolers			n	Switchboards & Fittings
d	Motors			o	Circuit Breakers
e	Air Coolers			p	Cables
f	Control Gear, Cables, etc.			q	Insulation Resistance
g	Insulation Resistance			r	Steering Gear Generators and Motors
h	Insulating Oil Test			s	Navigation Light Indicators
i	Overspeed Governors				
	Magnetic Couplings				
k	Air Gap				

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler)  
 MAIN..... AUXILIARY, DONKEY or PRESS.....  
 Superheaters.....  
 Safety Valves.....  
 Mountings, Doors & Fastenings.....  
 Safety Valves Adjusted to ( Sat..... Spt.....  
 Boiler Securing Arrangements.....  
 Main Economisers..... Exhaust Gas Heated Economisers.....  
 Steam Heated Steam Generators..... Steam Generator Safety Valves Adjusted to.....  
 Were Oil Burning System & Remote Controls examined working in accordance with Rules?..... Forced Circulating Pumps.....  
 Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules?..... Funnel.....

EXAMINATION & TESTING OF STEAM PIPES (State material)  
 Main..... Auxiliary (over 3 in. bore).....  
 Were Copper Pipes annealed?..... Have Saturated Pipes in cylindrical boiler smoke boxes been tested?.....

PARTICULARS OF DEFECTS & REPAIRS, ETC. (Damage repairs should be detailed separate from wear and tear repairs; state what action has been taken regarding items which are subjects of class)  
 +DAMAGE : Stated to have happened at sea on the 7th. July 1962, while on a normal voyage between Antwerp and Rio de Janeiro, when the coupling bolt between No 1 and 2 Unit exhaust valve shaft couplings fell out and fouled the No 2 unit fwd. coupling arm.

Upon examination found : (further to Rio de Janeiro Rpt. 9 and 10)

No 1 Exhaust Valve : Assemblage to open up for checking

Fwd. and after labyrinth packing.

No 2 Exhaust Valve : Assemblage for checking.

Exhaust valve and shaft bent.

Couplings distorted.

Coupling connecting link distorted.

Fwd. thrust bearing.

After bearing.

Bearing pressure rings distorted.

Fwd. and after labyrinth distorted.

Fwd. and after sealing rings.

Coupling bolts and bushes.

(Cont.)

Survey fees Damage Rpt. (No 1) Cr\$ 14.250,00

" " (No 2) Cr\$ 14.250,00

Damage fee Repairs Cr\$ 28.500,00

Expenses .. Cr\$ 1.200,00

Date when A/c rendered 8/8/62

LEAVE THIS SPACE BLANK

Rpt. 9a

Port of SANTOS (Brazil)

Continuation of Report No. 3320 dated 4/8/62

"JOSEF CONRAD" on the

No 3 Exhaust Valve :

Assemblage for checking.

Exhaust valve and shaft bent.

Couplings distorted.

Coupling connecting link distorted.

Fwd. thrust bearing.

After bearing.

Bearing pressure rings distorted.

Fwd. and after labyrinth distorted.

Fwd. and after sealing rings.

Coupling bolts and bushes.

No 4 Exhaust valve :

Assemblage for checking.

Exhaust valve and shaft bent.

Couplings distorted.

Coupling connecting link distorted.

Fwd. thrust bearing torn.

After bearing in order.

Bearing pressure rings seized.

Fwd. and after labyrinth distorted.

Sealing rings torn.

Coupling bolts and bushes.

No 5 Exhaust Valve :

Assemblage for checking.

Exhaust valve and shaft bent.

Couplings distorted.

Coupling connecting link distorted.

Fwd. thrust bearing torn.

After bearing in order.

Bearing pressure rings seized.

Fwd. and after labyrinth distorted.

Sealing rings torn.

Coupling bolts and bushes.

No 6 Exhaust Valve :

Assemblage for checking.

Exhaust valve and shaft bent.

Couplings distorted.

Coupling connecting link distorted.

Fwd. thrust bearing torn.

After bearing in order.

Bearing pressure rings seized.

Fwd. and after labyrinth distorted.

Sealing rings torn.

Coupling bolts and bushes.

Servo-motor shaft bent.

At this time, permanent repairs were carried out by the replacing of all damaged items by Makers renewals, which had been flown out from Europe.

It is submitted that this repair be considered as a permanent repair.

Special Damage Report (Rpt. 10) and Interim Certificate issued as per attached copies.

01827-01185-0004 3/2

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Lloyd's Register  
 (C.A. Davies).