

Rpt. 9

Date of writing report 10-10-57

Received London

Port SINGAPORE

No. 12220

Survey held at SINGAPORE

No. of visits ONE

First date AND

Last date 3-10-57

## REPORT OF PERIODICAL SURVEYS &amp; REPAIRS OF MACHINERY

No. in R.B. 19330 S.S. TM. Tanker "MALVINA" Gross tons 8245 Date of build 1932-1

Owners N.V. PETROLEUM MAATS "LA CORONA" SHELL TANKERS N.V. Port of Registry THE HAGUE

Engines made 1932-1 By N.V. WERKSPLOOF

Type Oil Eng. 4SA each 5 Cy.

No. of Main Engines 2 No. of Screws 2

Records of Survey &amp; Special Notations as per Register Book

No. of Main Boilers - W.P. -

No. of A/C/Donkey Boilers 2db W.P. 150 lb

Surveyed Afloat or in Dry Dock Afloat

Nature of Survey CONDITION OF BULK

Was Damage Report issued? Int. Cert. 113

Last Report (For Head Office only)

Hull  
+100Al carrying petroleum  
in bulk  
Dkg. 2.57  
SS.H.Kg.(Dr) 3.57

Machinery  
+LMC CS 3.57  
DBS 3.57  
TS(CL)p&s 5.56  
Sps. 5.56

Mchy.aft.

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 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.) PORT STARBOARD

1 Cyls., Covers, Pistons &amp; Rods

2 Valves &amp; Gears

3 Connecting Rods, Top Ends &amp; Guides Side Centre

4 Crankpins &amp; Bearings Side Centre

5 Journals &amp; Bearings

## MAIN ENGINE DRIVEN AIR COMPRESSORS

6 Cyls., Covers, Pistons &amp; Rods

7 Connecting Rods &amp; Top Ends

8 Crankpins &amp; Bearings

9 Journals &amp; Bearings

10 Coolers &amp; Safety Devices

## MAIN ENGINE DRIVEN SCAVENGE PUMPS

11 Cyls., Covers, Pistons &amp; Rods

12 Connecting Rods &amp; Top Ends

13 Crankpins &amp; Bearings

14 Journals &amp; Bearings

15 Levers

16 SCAVENGE BLOWERS

17 SUPERCHARGERS

## MAIN TURBINES

18 Casings, Rotors, Blading, Bearings &amp; Thrusts

19 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

20 STEAM COMPRESSORS

21 CLUTCHES &amp; HYDRAULIC COUPLINGS

22 REDUCTION GEARING

23 THRUST BLOCKS, SHAFTS &amp; BEARINGS

24 INTERMEDIATE SHAFTS &amp; BEARINGS

25 HOLDING DOWN BOLTS &amp; CHOCKS

26 CONDENSERS (MAIN &amp; AUX.)

27 STEAM RE-HEATERS

28 DE-SUPERHEATERS

29 STOP &amp; MANOEUVRING VALVES

30 MAIN ENGINE DRIVEN PUMPS

31 CRANKCASE DOORS &amp; EXPLOSION RELIEF DEVICES Have Main Engines been tested working and manoeuvring?

## OPINION OF MACHINERY AND RECOMMENDATIONS

The machinery of this vessel so far as now seen is in safe working condition eligible in my opinion to remain as blessed without fresh record of survey & without special condition re the standby air compressor 1st stage intercooler casing.

TUESDAY 29 OCT 1957

Date of Committee

Decision

As new, subject

50m, 6.56. T. (MADE AND PRINTED IN ENGLAND.)

Engineer Surveyor to Lloyd's Register of Shipping

Foundation

005075-005081-0084



29 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..... Fire Extinguishing Arrangements.....

AUXILIARY ENGINES (Identify by position).....

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

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)

### CONDITION OF CLASS.

Standby air compressor 1<sup>st</sup> stage intercooler casing renewed at this time & tested under working conditions. It is recommended that this item be now deleted from the S.R. list.

Note:- This ship's machinery was originally fitted with <sup>air</sup> compressors on each main engine when the engine fuel system was of the direct injection type. The main engine compressors have been removed and only one air compressor remains on the ship this being the standby compressor mentioned above. The machinery, therefore, does not appear to conform to Chapter 4 (209) of the Rules.

LEAVE THIS SPACE BLANK

Survey fees \$ 50. Repairs.

Damage fee

Expenses

Date when 4/10 rendered



© 2020

Lloyd's Register Foundation