

Rpt. 9

Date of writing report 5/12/56.

Received London 12 DEC 1956

Port OF LAS PALMAS

No. 164

Survey held at SANTA CRUZ DE TENERIFE

No. of visits Three

First date 28th Sep/56. Last date 28th Nov. 1956.

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

No. in R.B. 54792 SSK Name M.V. 'BRUNA' (ex Bruna M-52) Gross tons 146 Date of build 1947

Owners Societe Liberienne de Transports Maritimes, S.A. Port of Registry Monrovia

Engines made By Hanseatische Mot. Ges. Type I.C.

No. of Main Engines 1 No. of Screws 1

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

No. of Main Boilers - W.P. -

Aux./Donkey Boilers - W.P. -

float on y Dock on Slipway

Survey Classification

age Report issued? No Int. Cert.? Yes

rt (For Head Office only)

Hull

Machinery

Class EXPUNGED

Non-compliance with regulations 2.54

tion 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 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 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 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.

ING Propellers Good Wear Down of Stern Bushes Nil Oil Glands Good Sea Connections Good

ings Good Has Screwshaft/Tubeshaft been drawn? Yes Date of Examination 11/56 Has Shaft been changed? Yes

raft now fitted been previously used? No Has Shaft now examined/fitted a continuous liner? No Approved oil gland? Yes

ENGINES (Recip. Steam or I.C.)

PORT

STARBOARD

Covers, Pistons &amp; Rods Good

s &amp; Gears Good

ecting Rods, Side Good

nds &amp; Guides Centre

pins &amp; Side Good

ngs Centre

nals &amp; Bearings Good

N ENGINE DRIVEN AIR COMPRESSORS

, Covers, Pistons &amp; Rods -

necting Rods &amp; Top Ends -

kpins &amp; Bearings -

nals &amp; Bearings -

lers &amp; Safety Devices -

IN ENGINE DRIVEN SCAVENGE PUMPS

s., Covers, Pistons &amp; Rods -

necting Rods &amp; Top Ends -

unkpins &amp; Bearings -

urnals &amp; Bearings -

vers -

AVENGE BLOWERS -

PERCHARGERS -

AIN TURBINES

asings, Rotors, Blading, Bearings &amp; Thrusts -

EXHAUST STEAM TURBINES (WITH RECIP. ENGINES) -

TEAM COMPRESSORS -

CLUTCHES &amp; HYDRAULIC COUPLINGS Good

REDUCTION GEARING -

THRUST BLOCKS, SHAFTS &amp; BEARINGS Good

INTERMEDIATE SHAFTS &amp; BEARINGS Good

HOLDING DOWN BOLTS &amp; CHOCKS Good

CONDENSERS (MAIN &amp; AUX.) -

STEAM RE-HEATERS -

DE-SUPERHEATERS -

STOP &amp; MANOEUVRING VALVES -

MAIN ENGINE DRIVEN PUMPS Good

CRANKCASE DOORS &amp; EXPLOSION RELIEF DEVICES -

Have Main Engines been tested working and manoeuvring? Yes

OPINION OF MACHINERY AND RECOMMENDATIONS This vessel has been laid up by Spanish Government order

for a period of 4 years and had been expunged from class 2/54 for not complying with the

Regulations. She was slipped at Tenerife on 18th Sep/56 to 8th November 1956 and surveyed

by me and found or made good. She is in all respects conforming to the Rules. A new Tail end

shaft was fitted, the additional bilge pump previously reported on as being in the vessel

was satisfactorily fitted, and an extra compressor for starting air was installed. In my

opinion the Machinery, Main and aux. is in good order and efficient, and I Recommend vessel

be Reclassed and given the Record of LMC 11/56 and notation

Date of Committee FRIDAY 14 DEC 1956 Tail Shaft 11/56.

Decision Lmc 11.56 without - 20 End

30m,6,55. \* T. (MADE AND PRINTED IN ENGLAND.)

5(u) 11.56  
(with endorsement)

CERTIFICATE IMPRINTED.

12.1.57

NON-EXCLUSIVE Engineer Surveyor to Lloyd's Register of Shipping

J. STUART JOLLY.

LAS PALMAS

Lloyd's Register  
Foundation

003884-003894-0174



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

AUXILIARY ENGINES (Identify by position) Port side for charging batteries and driving general service.

ELECTRICAL EQUIPMENT			
PROPULSION	PORT	STARBOARD	AUXILIARY EQUIPMENT
a Generators			l Generators & Governors Good. 24 volt.
b Exciters			m Motors -
c Air Coolers			n Switchboards & Fittings Good
d Motors			o Circuit Breakers Good
e Air Coolers			p Cables Good
f Control Gear, Cables, etc.			q Insulation Resistance Good
g Insulation Resistance			r Steering Gear Generators and Motors -
h Insulating Oil Test			s Navigation Light Indicators -
i Overspeed Governors			
j 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 Good.

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)  
New bilge pump fitted.  
New independent compressor fitted.  
No defects found on Main and aux. Machinery.

Re-classification survey carried out in accordance with previous instructions.  
It is submitted that this vessel is eligible for THE RECORD LMC 11/52 without special conditions 5(N) 11/52  
The machinery certificate should be endorsed stating that the training when characteristics of the main machinery have not been investigated  
Leave this space blank  
Re-visit parties in Register Book.  
Sub  
14/12/52  
Surveyor should be advised for details of oil fuel now fitted to screw shaft.  
Set 15  
Set 4.57  
not yet  
not yet

Survey fees Ptas. 2,525.00  
Expenses (Including Telegram, Passages, Hotel, etc.) ... 2,567.00  
5,092.00

Damage fee ...  
Expenses ...

Date when A/c rendered

