

Rpt. 9

Date of writing report 20th Feb.

Survey held at Naples

Received London

No. of visits 10

Port NAPLES

First date 6/9/56

No. 6263

Last date 3/2/57

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 71723 Name ~~SS~~ "NORMANNA" ex "Noravind" Gross tons 8234 Date of build 1930 12  
Owners F.lli d'AMICO Managers F.lli d'AMICO Port of Registry Palermo  
Engines made 1930 By A/B GOTAVERKEN Type 4SA each 7 Cy.

No. of Main Engines No. of Screws

No. of Main Boilers W.P.

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

Surveyed Afloat or in Dry Dock both

Nature of Survey Compl. LMC. TS & DBS

Was Damage Report issued? Int. Cert.?

Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

Hull	Machinery
+100 A1 S/S 4/51	+LMC CS 4/51
Carrying petroleum in bulk	Dkg. 5/52
	d. 6/52
	CL p&s 4/51
	Oil Engines

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 Good Wear Down of Stern Bushes Close Fit Oil Glands - 57 Sea Connections Good  
Fastenings Good Has Screwshaft/Tubeshaft been drawn? Yes Date of Examination 19.1.56 Has Shaft been changed? Yes P&S  
Has Shaft now fitted been previously used? No Has Shaft now ~~examined~~ fitted a continuous liner? Yes Approved oil gland? No

MAIN ENGINES (Recip. Steam or I.C.) PORT STARBOARD  
1 Cyls., Covers, Pistons & Rods ALL GOOD ALL GOOD  
2 Valves & Gears ALL GOOD ALL GOOD  
3 Connecting Rods, Top Ends & Guides ALL GOOD ALL GOOD  
4 Crankpins & Bearings ALL GOOD ALL GOOD  
5 Journals & Bearings ALL GOOD ALL GOOD

## 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

## EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

20 STEAM COMPRESSORS  
21 CLUTCHES & HYDRAULIC COUPLINGS  
22 REDUCTION GEARING  
23 THRUST BLOCKS, SHAFTS & BEARINGS GOOD  
24 INTERMEDIATE SHAFTS & BEARINGS GOOD  
25 HOLDING DOWN BOLTS & CHOCKS GOOD

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 is eligible in our opinion to remain as now classed with fresh records of LMC. 2.57. TS (P&S) N. 1.57 and DBS 257 without special condition.

Date of Committee THURSDAY 1 MAR 1957

Decision LMC 2.57  
DBS 2.57  
Both S/N 1.57 Sps 2.57

30m. 6.55. T. (MADE AND PRINTED IN ENGLAND.)

CERTIFICATE WRITTEN

E. F. Butler & Willis W. Martin  
Engine Surveyors to Lloyd's Register of Shipping

Lloyd's Register Foundation



32 Essential Independent Pumps (Identify by position).....  
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  
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.....GOOD ↑.....46 Fire Extinguishing Arrangements.....GOOD

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

PROPULSION		ELECTRICAL EQUIPMENT	
PORT	STARBOARD		AUXILIARY EQUIPMENT
a Generators		i Generators & Governors	GOOD
b Exciters		m Motors	GOOD
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	GOOD
h Insulating Oil Test		s Navigation Light Indicators	GOOD
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.....~~XXXXXXXX~~ DONKEY ~~XXXXXXXX~~ P & S 23.1.57  
Superheaters.....  
Safety Valves.....GOOD  
Mountings, Doors & Fastenings.....GOOD  
Safety Valves Adjusted to Sat.....  
Spt.....  
Boiler Securing Arrangements.....GOOD  
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).....STEEL GOOD  
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)

REPAIRS & SPECIAL CONDITIONS:- P & S screw shafts renewed see attached certificates.

↑ A complete new windlass fitted see attached declaration.  
Main gear wheel on port main engine crankshaft replaced by new spare, tested material. All gudgeon pin bushes renewed.  
Both main engines completely stripped to bedplates, shafts lifted, bearings remetalled as required and all shafting realigned.

ELECTRICAL:- All cables from main switchboard to distribution boards renewed.

Engine room, boiler room, pump room and navigation circuits renewed.  
Cables as previously installed or equivalent thereto. Pump room lights substituted for flame - proof fittings of approved design, cables run in S.D. tubing.

NOTE/- Owner requests that future surveys be on continuous basis.

LEAVE THIS SPACE BLANK

Completion LMC Lit. 94.000  
DBS.....21.000  
TS.....15.300  
General Exps.....25.300  
Sunday Fee.....7.000  
Tax.....5.541

Date when A/c rendered



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