

Rpt. 9

23 FEB 1957

Date of writing report 20th Feb.

Received London

Port NAPLES

No. 6263

Survey held at Naples

No. of visits 10

First date 6/9/56

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

Engines made 1930 By A/B GOTAVERKEN Type 4SA each 7 Cy. Port of Registry Palermo

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 ~~XXXXXX~~ 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

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 GOOD

24 INTERMEDIATE SHAFTS & BEARINGS GOOD GOOD

25 HOLDING DOWN BOLTS & CHOCKS GOOD 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

80m. 6.55. T. (MADE AND PRINTED IN ENGLAND.)

Both S(N) 1.57 Sps 2.57

CERTIFICATE WRITTEN

E. F. Butler & W. Martin
Engineer Surveyors to Lloyd's Register of Shipping
(E. F. Butler & William W. Martin)

Lloyd's Register Foundation

003640-003648-0262

If 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 where to be sent

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.....