

1 JUL 1963

Ship's Name ~~SS~~ "MOBIL FLAME" Gross tons 17598
 Is there a rpt. 8? YES Port PALERMO Rpt. No. 964
 No. of visits 7 First date 31/5/63 Last date 17/6/63
 Interim Cert. issued & copy herewith? YES Damage rpt. issued & copy herewith? NO Last rpt. (H.Q. only)
 Date of completing rpt. 21/6/63 Surveyed at, if different from Port above -
 Is a rpt. 9B attached? YES MN 2750 Nature of survey Comp. ES., MBS., DS.
 Survey fees Damage fee Expenses (See Rpt.8)
 Compl.ES = Lit. 80.000.= S.A. fee =Lit. 12.000.=

Turbines

MAIN ENGINES, RECP., STEAM OR I.C. (State Port—P or Starboard—S)

- 1 Cyls., covers, pistons & rods
- 2 Valves & gears
- 3 ~~Con. rods, top ends & guides centre~~
- 4 ~~Crankpins & bearings centre~~
- 5 ~~Journals & bearings~~

Side

Side

MAIN ENGINE DRIVEN AIR COMPRESSORS (State Port—P or Starboard—S)

- 6 Cyls., covers, pistons & rods
- 8 Crankpins & bearings
- 10 Coolers & safety devices

7 Con. rods & top ends

9 Journals & bearings

MAIN ENGINE DRIVEN SCAVENGE PUMPS (State Port—P or Starboard—S)

- 11 Cyls., covers, pistons & rods
- 13 Crankpins & bearings

12 Con. rods & top ends

14 Journals & bearings

MAIN TURBINES (State Port—P or Starboard—S)

- 16 Casings, rotors, blading, bearings & thrusts

15 Levers

L.P. = GOOD

- 17 Reduction gearing
- 18 Scavenge blowers

19 Superchargers

I recommend that the machinery of this ship remain as classed with/without fresh record of E.S. 5/62 as previously recommended, and MBS. 6/63 now, subject to any outstanding conditions of class being dealt with, as previously recommended.

(Where conditions of class are recommended to be retained, imposed, amended or deleted, particulars must be stated above and on the interim certificate.)

Date of Committee **FRIDAY 2 AUG 1963**

Minute

As now

ES 5.62 MBS 6.63

R. A. Loraine
 (R. A. Loraine)
 Surveyor to Lloyd's Register of Shipping



Lloyd's Register
 Foundation

ALSO FOR

SPL FOR

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POSTING

HEADER

CERT

2863

20 Exhaust steam turbines (with recip. eng.)	21 Thrust blocks shafts & bearings	
22 Steam compressors	23 Intermediate shafts & bearings	
24 Clutches & hand-panic couplings	25 Condensers (main & aux.)	
26 Steam re-heaters	27 Air ejectors (main & aux.)	
28 De-super-heaters	29 Forced &/or induced draught fans	PORT & STARB'D = GOOD
30 Stop & manoeuvring valves	31 Holding down bolts & chocks	32 Detuner or vibration damper
33 Main engine driven pumps		

34 Crankcase doors & explosion relief devices

35 Have main engines been tested working & manoeuvring? (To be done on completion of ES or CS cycle) NO

36 Essential independent pumps

37 Bilge, ballast & oil fuel suction lines, fittings & controls

38 Have the remaining piping arrangements & fittings in the machinery space been examined as considered necessary?

39 Fresh water coolers

40 Lub. oil coolers

41 Heaters (state service)

42 Feed water filters

43 Auxiliary air receivers & safety devices

44 Starting air pipes

45 Main air receivers & safety devices

46 Independent air compressors coolers & safety devices

47 Oil fuel tanks (not forming part of the hull structure)

48 Have all evaporators safety valves been tested under steam?

49 Evaporators HP & LP

50 Distillers

51 Fire extinguishing arrangements

52 Steering machinery

53 Windlass

AUXILIARY ENGINES INBOARD TURBO GENERATOR AUXILIARY ENGINE & GEARING = GOOD.

PARTICULARS OF DEFECTS, REPAIRS, ALTERATIONS, ETC.

PLEASE SEE FOLLOWER SHEET.

PART
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SUMM
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Remc
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The reason for repairs must be stated and those on account of damage, the alleged cause of which must be given should be detailed separately from wear and tear repairs. State what action has been taken regarding items which are subjects of class. State also where appropriate, for the information of the Technical Records Dept., the material of the defective item and whether it is a forging, casting or welded fabrication. Any alterations in existing particulars in the Register Book should also be reported above.

pt. 9 A (cont.) 1
Ship's Name SS/MSK "MOBIL FLAME"

Port PALERMO Rpt. No. 964

The engine survey was commenced at Palermo as per Report N° 792 of 23/5/62 when a date of 5/62 was recommended on completion.

S.R.L. Appendix - Examination:-

At Owners' representative's request L.P. turbine opened out for examination of erosion on aft stage of rotor blading etc. as per entry in S.R.L. Appendix.

Now done:-

L.P. turbine diaphragms examined and slight distortion noted, considered satisfactory.
Shrouding on 1st, 2nd & 3rd stages of rotor blading showing signs of slight rubbing and considered satisfactory.
Last stage of rotor blading eroded on outer section of leading edge 2,3/4" approximately from shrouding and maximum depth of 3/16" and considered satisfactory; to remain as previously recommended in the S.R.L. Appendix.

S.R.L. Appendix - Examination:-

At Owners' representative's request outboard turbo generator turbine opened out, examined and found satisfactory, rotor tested for dynamic balance and found satisfactory, and one section of blades in last stage found cut out.

All fixed blades examined and all nozzle blade shrouding found slightly rubbed on inlet side, considered efficient and it is recommended that this item remain as previously recommended in the S.R.L. Appendix.

At Owners' representative's request new Blackmer emergency fire pump fitted to existing installation and found satisfactory.

Sea suction and foot valve overhauled and pump tested on completion and found satisfactory.

Pump marked N° N 4 I 4 3 1 4 MOD. G L B S 12 B H P at 1800 RPM.

No certificate or marks available.

R. A. Loraine
(R. A. Loraine)



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