

9A REPORT OF MACHINERY SURVEYS AND REPAIRS (ENGINES AND AUXILIARIES) FOR CONSIDERATION BY THE COMMITTEE OF LLOYD'S REGISTER OF SHIPPING

Received London

Ship's Name **SS/M/S "MOBIL PROGRESS"** (now named "AUSTRALIAN PROGRESS")

Gross tons **10186** Port of Registry **Melbourne** Port **Nagasaki**

Date of build **1960** Is there a rpt. 8? **Yes** Rpt. No. **1321**

No. of visits **12** First date **13.10.64** Last date **2.12.64**

Interim Cert. issued & copy herewith? **Yes** Damage rpt. issued & copy herewith? **No** Last rpt. (H.Q. only)

Date of completing rpt. **6.12.64**

Is a rpt. 9B attached? **Yes** Surveyed at, if different from Port above **Sasebo**

MN 1200 Nature of survey **ES**

Survey fees **ES £139-10s + 20% = £167-8-0** Damage fee - **Expenses £5-8s**

Repairs **£5-0s**

S.A. fee -

MAIN ENGINES, ~~TYPE~~, STEAM ~~ENGINE~~ (State Port—P or Starboard—S)

Cyls., covers, pistons & rods

Valves & gears

Con. rods, cross-heads, bearings & guides centre

Crankpins & bearings centre

Journals & bearings

Side

Side

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

Cyls., covers, pistons & rods

Crankpins & bearings

Coolers & safety devices

7 Con. rods, cross-heads & bearings

9 Journals & bearings

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

Cyls., covers, pistons & rods

Crankpins & bearings

12 Con. rods, cross-heads & bearings

14 Journals & bearings

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

Casings, rotors, blading, bearings & thrusts

All; Good

15 Levers

Reduction gearing **All; Good**

Scavenging pumps

19 Superchargers - **should be and**

We **I** recommend that the machinery of this ship ~~be~~ **be** classed with ~~without fresh record of~~ the following survey record of ES 12.64.

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

of Committee

See Rpt 4a

Surveyors to Lloyd's Register of Shipping

W.A. Cook & Y. Kojima

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the H.P. ~~COMP~~ turbines?

No

If so, state pressure and temperature of steam on entering

20	Exhaust steam turbines (with recip. eng.)	-	21	Thrust blocks shafts & bearings	Good		
22	Steam compressors	-	23	Intermediate shafts & bearings	All: Good		
24	Clutches & hydraulic couplings	-	25	Condensers (main & aux.)	Main, atmospheric (part.dk,P), auxiliary (S)(all tested): Good		
26	Steam re-heaters	-	27	Air ejectors (main & aux.)	Both (part.dk, P): All Good		
28	De-superheaters	(part.dk.,S): Good	29	Forced draught fans	P & S (part.dk in boiler compartment) Cold start (part.dk in Boiler compartment)		
30	Stop & manoeuvring valves	Good	31	Holding down bolts & chocks	Good	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)	Yes, Good		
36	Essential independent pumps	F. & A.L.O.(S), F. & A.F.O. Service (S), emergency F.O.(P), transfer (P), main circulating (P), aux. circulating (P), Butterworth (P), Fire (S), G.S., ballast & bilge (S), Bilge (P), F. & A. sanit emergency fire (S), In. & out. main feed (P), Harbour use feed (P), Boiler feed & emergency feed (P), In. & out. main condensate (P), aux. condensate (S), F. feed (P) for steam generator, F. & A. condensate drain (P), Evap. feed (P), S. (P) for evap., In aux. p'p r'm: Bilge & ballast (F,S), Bilge & strip.(A,S), In p'p r'm: Bilge & strip.(P),F.O. transfer (S), Oil Eng. driven fire (in fire p'p r'm: Bilge, ballast & oil fuel suction lines, fittings & controls					38 Have the remaining piping arrangements & fittings in the machinery space been examined as considered necessary? Yes, Good
37	Bilge, ballast & oil fuel suction lines, fittings & controls	Good					
39	Fresh water coolers	Condensate Cooler (P): Good	40	Butterworth heater & drain cooler(P):	Lub. oil coolers Up.&low.(S)		
41	Heaters (state service)	L.O. heater (S):Good, Feed water heater (part.dk,P):Good, Deaerator (part.dk,P):Good, F & A.F.O. (P):Good, Starting F.O. preheater(P):	42	Feed water filters	All: Good		
43	Auxiliary air receivers & safety devices	1-Ship service (S):Good, 1-emergency generator oil engine (boat dk,S): Good	44	XXXXXXXXXXXX			
45	Main air receivers & safety devices						
46	Independent air compressors coolers & safety devices	In. & out (P): Good Hand (boat deck, S): Good					
47	Oil fuel tanks (not forming part of the hull structure)	1-in fire p'p r'm (for oil engine to fire pump), 1-in boat for emergency oil generator engine	49	Evaporators F&A. (part.deck, LP P): Good	50	Distillers -	
48	Have all evaporators safety valves been tested under steam?	Yes	51	Fire extinguishing arrangements	Good	52 Steering machinery Good 53 Windlass Good	

AUXILIARY ENGINES

Inb'd & outb'd turbo-generator engines (partial deck, S) in their entirety: Good
Emergency oil generator engine (Boat dk, S) in its entirety: Good

PARTICULARS OF DEFECTS, REPAIRS, ALTERATIONS, ETC.

Repairs wear & tear:

Main circulating pump impeller badly worn, now the impeller with shaft renewed
Found hair crack at manoeuvring valve chest (special C.S) (at outside corner of bend to flanged pipe): now hair crack veed out, collar checked, built up by E.W., stress relieved, examined by magnaflux detector in way, and the valve chest tested by hydraulic pressure to 1150 lb/in² and all found in order.
Other minor repairs effected.

NOTE:- The machinery was surveyed in accordance with the requirement of Chapter C, Section 11, of the Regulations and Secretary's letters dated 8th October, 1964 and found all recommendations have been carried out satisfactorily and/or conformed to the rule requirements
Now named "AUSTRALIAN PROGRESS", Register port MELBOURNE

The reason for repairs must be stated and those on account of damage, the alleged cause of which must be retained, 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 Department, material of the defective item and whether it is a forging, casting or welded fabrication. Any alterations existing particulars in the Register Book should also be reported above.

