

AIR RECEIVERS: - Have they been made under survey *yes* ✓ State No. of Report or Certificate *1*
Is each receiver, which can be isolated, fitted with a safety valve as per Rule *yes* ✓
Can the internal surfaces of the receivers be examined and cleaned *yes* ✓
MAIN STARTING
Injection Air Receivers, No. *2* ✓ Cubic capacity of each *450 Cu ft* Internal diameter *6' 0 5/16"* thickness *1 1/8"* ✓
Seamless, lap welded or riveted longitudinal joint *Riveted* ✓ Material *Steel* ✓ Range of tensile strength *28/32 tons* Working pressure by Rules *356 lbs* Actual *1650*
Aux
Starting Air Receivers, No. *1* ✓ Total cubic capacity *50 Cu ft* Internal diameter *3'* thickness *1 7/32"* ✓
Seamless, lap welded or riveted longitudinal joint *Riveted* ✓ Material *Steel* ✓ Range of tensile strength *28/32 tons* Working pressure by Rules *356 lbs* Actual *1650*

IS A DONKEY BOILER FITTED? *yes* ✓ If so, is a report now forwarded? *yes* ✓
Is the donkey boiler intended to be used for domestic purposes only *no Heating coils and Emergency compressor.*
PLANS. Are approved plans forwarded herewith for Shafting *no 4-8/5/39* Receivers *20/6/39* Separate Fuel Tanks *17/5/39*
(If not, state date of approval)
Donkey Boilers *As per Boiler Report* General Pumping Arrangements *11/39* Pumping Arrangements in Machinery Space *21/2/40*
Oil Fuel Burning Arrangements *5/2/40*
SPARE GEAR.
Has the spare gear required by the Rules been supplied *yes* ✓
State the principal additional spare gear supplied *See attached list.*

For HARLAND AND WOLFF, LIMITED.
The foregoing is a correct description.

H. Marshall
Secretary

Manufacturer.

Dates of Survey of Survey while building
During progress of work in shops - *1939 June 28 July 21. 31 Aug 5. 21. 24. 30. Sept 4. 7. 12. 20. 27. 29 Oct. 24. 31. 10. 11. 18. 20. 30 Nov. 22.*
During erection on board vessel - *24. 25. 28. 29 1940 Jan 3. 12. 15. 20. 29 Feb 6. 8. 13. 21. 28. 26. 28 Mar 4. 5. 8. 16. 29 Apr 11. 12. 20. 29 May 7. 9.*
Total No. of visits *23. 25 June 1. 4. 5. 20. 29 July 9. 10. 19. 22. 23. 24. 26. 27. 30 July 1. 6. 7. 8. 9. 12. 13. 19. 20. 21. 22. 23. 24. 27. 30*
Sept. 1. 2. 6. 9. 11. 12. 13. 16. 24. 26. Oct. 2. 4. 8. 9. 10. 11. 12. 15. 17. 18. 19. 25. 28. 29. 31 Nov. 4. 7. 18. 19. 20. 26. 28. 29 Dec 5. 6. 7. 9. 10. 12. 16. 17. 18. 20 1941 Jan 1. 4. 6. 7. 8. 9. 10. 11. 13. 14. 17. 22. 27. 28. 29. 31 Feb 3. 4. 5. 6. 11. 18. 20. 27. 28 Mar 6. 10. 17. 20. 24. 25. 26. 27. 31 Aug 3 = 165.
Dates of Examination of principal parts - Cylinders *20/11/40* Covers *17/7/40* Pistons *8/8/40* Rods *18/11/40* Connecting rods *31/10/40*
Crank shaft *4/6/40* Flywheel shaft *17/1/40* Thrust shaft *17/1/40* Intermediate shafts *20/10/39* Tube shaft *✓*
Screw shaft *2/10/40* Propeller *12/12/40* Stern tube *1/1/41* Engine seatings *29/1/41* Engines holding down bolts *28/2/41*
Completion of fitting sea connections *10/1/41* Completion of pumping arrangements *26/3/41* Engines tried under working conditions *3/4/41*
Crank shaft, Material *S.M. Steel* Identification Mark *LL0405 H°1005 RLA* Flywheel shaft, Material *S.M. Steel* Identification Mark *LL0405 H°1005 RLA*
Thrust shaft, Material *S.M. Steel* Identification Mark *LL0405 H°1005 RLA* Intermediate shafts, Material *S.M. Steel* Identification Marks *LL0405 H°335 RS. G.*
Tube shaft, Material *✓* Identification Mark *✓* Screw shaft, Material *S.M. Steel* Identification Mark *LL0405 H°335 RM.*
Identification Marks on Air Receivers *203 LL0405 TEST 545 lbs. W.P. 356 lbs. G.J.T.*

Is the flash point of the oil to be used over 150° F. *yes* ✓
Have the requirements of the Rules for oil fuel pipes and tank fittings been complied with *yes* ✓
Description of fire extinguishing apparatus fitted *Portable Chemical Extinguishers as approved*
Is the vessel (not being an oil tanker) fitted for carrying oil as cargo *yes* ✓ If so, have the requirements of the Rules been complied with *yes* ✓
If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with *yes* ✓
Is this machinery duplicate of a previous case *yes* ✓ If so, state name of vessel *PARDON PAMPAS* Yard Nos *1025 1026 1027.*
General Remarks (State quality of workmanship, opinions as to class, &c.) *This machinery has been constructed under special Survey in accordance with the Society's Rules and the approved plans. The materials and workmanship are good. The machinery has been efficiently installed on board the vessel and tried under full working conditions during sea trials with satisfactory results and is eligible in our opinion to have notation in the Register Book of +LMC. 4. 40. D.B 100 lbs. TS. CL. Oil Engine.*

The amount of Entry Fee .. £ 6 : - : When applied for, 15. 4. 19 41
Special ... £ 130 : 16 :
Donkey Boiler Fee ... £ 10 : 10 :
AIR RECEIVERS. Travelling Expenses (if any) £ : :
Committee's Minute TUE. 22 APR 1941
Assigned *4. 41 all exp. 200 - 100 H. Ch.*

A. Shaw. R. E. Ann
Engineer Surveyor to Lloyd's Register of Shipping.

