





Is { a Donkey } Boiler fitted? ☐ If so, is a report now forwarded? ☐  
{ an Auxiliary }  
Is the donkey boiler intended to be used for domestic purposes only? ☐  
Plans. Are approved plans forwarded herewith for Shafting ☐ Main Boilers ☐ Auxiliary Boilers ☐ Donkey Boilers ☐  
(If not, state date of approval)  
**Arrgt.**  
~~xxxxxx~~ of gearing 3.2.54 General Pumping Arrangements ☐ Oil Fuel Burning Arrangements ☐  
Geared turbines { Have torsional vibration characteristics of system been approved? ☐ Date of approval ☐  
situated aft.

### SPARE GEAR.

Has the spare gear required by the Rules been supplied? **Yes**  
State the principal additional spare gear supplied **Tubes, ferrules etc., for condensers and cooler. Main circulation pump with Impeller with spindle, bushes and armature. Extraction Pump Impeller shaft and be Air Ejector Nozzles. Forced Lub. Pump Bearings.**

The foregoing is a correct description.

FOR PARSONS MARINE TURBINE CO. LIMITED

*No. 512 Nwc.* **MANUFACTURER**

Dates of Survey while building { During progress of work in shops - **VARIOUS DATES BETWEEN 3-1-52 AND 14-9-56**  
During erection on board vessel -  
Total No. of visits **107**

Dates of Examination of principal parts - Casings **28-3-56** Rotors **28-3-56** Blading **28-3-56** Gearing **6-6-56**  
Wheel shaft **6-6-56** Thrust shaft ☐ Intermediate shafts ☐ Tube shaft ☐ Screw shaft ☐  
Propeller ☐ Stern tube ☐ Engine and boiler seatings ☐ Engine holding down bolts ☐  
Completion of fitting sea connections ☐ Completion of pumping arrangements ☐ Boilers fixed ☐ Engines tried under steam ☐  
Main boiler safety valves adjusted ☐ Thickness of adjusting washers ☐  
Rotor shaft, Material and tensile strength **Forged Steel - forging Report attached.** Identification Mark **HP=36045 IP=36053**  
Flexible Pinion Shaft, Material and tensile strength ☐ Identification Mark ☐  
Pinion shaft, Material and tensile strength **Nickel steel forging HP & IP =43T LP=37T** Identification Mark **HP=68744 IP=57330**

; Chemical analysis

If Pinion Shafts are made of special steel state date of approval of chemical analyses, physical properties and heat treatment ☐  
1st Reduction Wheel Shaft, Material and tensile strength **Forged Steel - forging report attached.** Identification Mark **HP=68731 IP=68730**  
Wheel shaft, Material **Forged Steel** Identification Mark **27989** Thrust shaft, Material ☐ Identification Mark ☐  
Intermediate shafts, Material ☐ Identification Marks ☐ Tube shaft, Material ☐ Identification Marks ☐  
Screw shaft, Material ☐ Identification Marks ☐ Steam Pipes, Material ☐ Test pressure ☐

Date of test ☐ Is an installation fitted for burning oil fuel ☐  
Is the flash point of the oil to be used over 150°F ☐ Have the requirements of the Rules for the use of oil as fuel been complied with ☐  
Full description of Fire Extinguishing Apparatus fitted in machinery spaces ☐  
Is the vessel (not being an oil tanker) fitted for carrying oil as cargo ☐ If so, have the requirements of the Rules been complied with ☐  
If the notation for ice strengthening is desired, state whether the requirements in this respect have been complied with ☐  
Is this machinery a duplicate of a previous case **Yes** If so, state name of vessel **B.M.T. Eng. No. 512 Nwc. Rpt. 1132**

**General Remarks.** (State quality of workmanship, opinions as to class, &c.)  
**The main turbines and gearing have been constructed under Special Survey of tested materials in accordance with approved plans and the requirements of the Rules or their equivalent to our satisfaction.**  
**The materials and workmanship are good.**  
**The turbines and gearing have been operated on the test bed under "NO LOAD" conditions and the overspeed governors tripped.**  
**The machinery will be forwarded to Greenock for installation on board.**  
**It is recommended for the favourable consideration of the Committee that this machinery is, in our opinion, eligible to be classed +LMC when installed in the vessel and tested under full load conditions.**

Construction  
The amount of Entry Fee ... £ **167: 12** : When applied for **11 OCT 1956**  
Special ... £ : : When received  
Donkey Boiler Fee ... £ : :  
Travelling Expenses (if any) £ : :  
**GLASGOW 26 MAR 1957**

*W. Nicholson*  
Engineer Surveyor to Lloyd's Register of Shipping.

**W. NICHOLSON AND SELF.**

**Lloyd's Register Foundation**