

REPORT ON OIL ENGINE MACHINERY.

No. 10513

Received at London Office

19 FEB 1927

Date of writing Report 17 Febr. 1927 When handed in at Local Office

Port of AMSTERDAM

in Survey held at AMSTERDAM

Date, First Survey 9 March, 1925 Last Survey 16 April 1926.

Number of Visits 24

on the ~~XXXX~~ ~~XXXX~~ Screw vessel Rotterdam Dry dock & Shipb. Co's Yard No. 98

Tons Gross - Net -

ilt at Rotterdam By whom built Rotterdam D.D. & S.B. Co. Yard No. 98 When built 1926.
gines made at Amsterdam By whom made Werkspoor Engine No. When made 1926
nkey Boilers made at - By whom made - Boiler No. - When made -
ake Horse Power 150 Owners Anglo-Saxon Petroleum Co. Port belonging to London.
m. Horse Power as per Rule 43 Is Refrigerating Machinery fitted for cargo purposes - Is Electric Light fitted -
ide for which vessel is intended -

ENGINE, &c.—Type of Engines One Auxiliary Diesel Engine 2 or 4 stroke cycle Single or double acting
imum pressure in cylinders 30 kg Diameter of cylinders 320 mm Length of stroke 450 mm No. of cylinders 3 No. of cranks 3
n of bearings, adjacent to the Crank, measured from inner edge to inner edge 430 mm Is there a bearing between each crank Yes
olutions per minute 250 mm Flywheel dia. 1600 mm Weight 3140 kg Means of ignition Self-ignition Kind of fuel used Diesel oil
nk Shaft, dia. of journals as per Rule 185 mm as fitted 185 mm Crank pin dia. 185 mm Crank Webs Mid. length breadth 290 mm shrunk Thickness parallel to axis 100 mm
Mid. length thickness 100 mm Thickness around eyehole Solid
wheel Shaft, diameter as per Rule - as fitted - Intermediate Shafts, diameter as per Rule - as fitted - Thrust Shaft, diameter at collars as per Rule - as fitted -
e Shaft, diameter as per Rule - as fitted - Screw Shaft, diameter as per Rule - as fitted - Is the tube screw shaft fitted with a continuous liner -

3/19 Liners, thickness in way of bushes as per Rule - as fitted - Thickness between bushes as per rule - as fitted - Is the after end of the liner made watertight in the
ller boss - If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner -

e liner does not fit tightly at the part between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive -
o liners are fitted, is the shaft lapped or protected between the liners - Is an approved Oil Gland or other appliance fitted at the after

9/2 of the tube shaft - Length of Bearing in Stern Bush next to and supporting propeller -
beller, dia. - Pitch - No. of blades - Material - whether Moveable - Total Developed Surface - sq. feet

od of reversing Engines McNeill Is a governor or other arrangement fitted to prevent racing of the engine when declutched - Means of lubrication
eed Thickness of cylinder liners - Are the cylinders fitted with safety valves - Are the exhaust pipes and silencers water cooled or lagged with

nducting material - If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine -
ng Water Pumps, No. - Is the sea suction provided with an efficient strainer which can be cleared within the vessel -

Pumps worked from the Main Engines, No. - Diameter - Stroke - Can one be overhauled while the other is at work -
9. 1 ops connected to the Main Bilge Line No. and Size - How driven -

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 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1682. 1683. 1684. 1685. 1686. 1687. 1688. 1689. 1690. 1691. 1692. 1693. 1694. 1695. 1696. 1697. 1698. 1699. 1700. 1701. 1702. 1703. 1704. 1705. 1706. 1707. 1708. 1709. 1710. 1711. 1712. 1713. 1714. 1715. 1716. 1717. 1718. 1719. 1720. 1721. 1722. 1723. 1724. 1725. 1726. 1727. 1728. 1729. 1730. 1731. 1732. 1733. 1734. 1735. 1736. 1737. 1738. 1739. 1740. 1741. 1742. 1743. 1744. 1745. 1746. 1747. 1748. 1749. 1750. 1751. 1752. 1753. 1754. 1755. 1756. 1757. 1758. 1759. 1760. 1761. 1762. 1763. 1764. 1765. 1766. 1767. 1768. 1769. 1770. 1771. 1772. 1773. 1774. 1775. 1776. 1777. 1778. 1779. 1780. 1781. 1782. 1783. 1784. 1785. 1786. 1787. 1788. 1789. 1790. 1791. 1792. 1793. 1794. 1795. 1796. 1797. 1798. 1799. 1800. 1801. 1802. 1803. 1804. 1805. 1806. 1807. 1808. 1809. 1810. 1811. 1812. 1813. 1814. 1815. 1816. 1817. 1818. 1819. 1820. 1821. 1822. 1823. 1824. 1825. 1826. 1827. 1828. 1829. 1830. 1831. 1832. 1833. 1834. 1835. 1836. 1837. 1838. 1839. 1840. 1841. 1842. 1843. 1844. 1845. 1846. 1847. 1848. 1849. 1850. 1851. 1852. 1853. 1854. 1855. 1856. 1857. 1858. 1859. 1860. 1861. 1862. 1863. 1864. 1865. 1866. 1867. 1868. 1869. 1870. 1871. 1872. 1873. 1874. 1875. 1876. 1877. 1878. 1879. 1880. 1881. 1882. 1883. 1884. 1885. 1886. 1887. 1888. 1889. 1890. 1891. 1892. 1893. 1894. 1895. 1896. 1897. 1898. 1899. 1900. 1901. 1902. 1903. 1904. 1905. 1906. 1907. 1908. 1909. 1910. 1911. 1912. 1913. 1914. 1915. 1916. 1917. 1918. 1919. 1920. 1921. 1922. 1923. 1924. 1925. 1926. 1927. 1928. 1929. 1930. 1931. 1932. 1933. 1934. 1935. 1936. 1937. 1938. 1939. 1940. 1941. 1942. 1943. 1944. 1945. 1946. 1947. 1948. 1949. 1950. 1951. 1952. 1953. 1954. 1955. 1956. 1957. 1958. 1959. 1960. 1961. 1962. 1963. 1964. 1965. 1966. 1967. 1968. 1969. 1970. 1971. 1972. 1973. 1974. 1975. 1976. 1977. 1978. 1979. 1980. 1981. 1982. 1983. 1984. 1985. 1986. 1

IS A DONKEY BOILER FITTED? ☒

If so, is a report now forwarded? ☒

PLANS. Are approved plans forwarded herewith for Shafting *Planned*
(If not, state date of approval) *Secretary, letter 24/12/24.*

Receivers. *in*

Separate Tanks. *London*

Donkey Boilers. ☒

General Pumping Arrangements ☒

Oil Fuel Burning Arrangements. ☒

SPARE GEAR

Planned see list attached.

With plans.

The foregoing is a correct description,

Manufacturer.

| | | | | | | | | | | | | | | | | |
|--------------------------------|---|------------------------------------|-------|-------|--------|-------|------|-------|-------|-------|-------|-------|-------|------|------|--|
| Dates of Survey while building | { | During progress of work in shops-- | 9/3. | 12/3. | 18/3. | 24/3. | 5/5. | 4/5. | 12/5. | 31/5. | 4/6. | 24/6. | 22/4. | 3/5. | 3/5. | |
| | | During erection on board vessel-- | 2/10. | 7/11. | 19/11. | 25. | 6/1. | 20/1. | 2/1. | 25/1. | 10/3. | 1/4. | 16/4. | 2/4. | | |
| | | Total No. of visits | 24. | | | | | | | | | | | | | |

Dates of Examination of principal parts—Cylinders *9/3. 3/5* Covers ☒ Pistons *5/5. 4/6* Rods ☒ Connecting rods *9/5*

Crank shaft *7/5. 3/6* Flywheel shaft ☒ Thrust shaft ☒ Intermediate shafts ☒ Tube shaft ☒

Screw shaft ☒ Propeller ☒ Stern tube ☒ Engine seatings ☒ Engines holding down bolts ☒

Completion of fitting sea connections ☒ Completion of pumping arrangements ☒ Engines tried under working conditions ☒

Crank shaft, Material *Steel* Identification Mark *CR-244. 54. 11. 4.* Flywheel shaft, Material ☒ Identification Mark ☒

Thrust shaft, Material ☒ Identification Mark ☒ Intermediate shafts, Material ☒ Identification Marks ☒

Tube shaft, Material ☒ Identification Mark ☒ Screw shaft, Material ☒ Identification Mark ☒

Is the flash point of the oil to be used over 150° F. *Yes*

Is this machinery duplicate of a previous case *Yes* If so, state name of vessel *Teyanor*

General Remarks (State quality of workmanship, opinions as to class, &c.)

The engines have been built under special survey in accordance with the Rules and Secretary letter, workmanship good, material tested as required. Engines tried under full working conditions on test bench. And good.

| | | | |
|--------------------------------|---|---|-------------------|
| The amount of Entry Fee ... £ | : | : | When applied for, |
| Special ... £ | : | : | 19. |
| Donkey Boiler Fee ... £ | : | : | When received, |
| Travelling Expenses (if any) £ | : | : | 3 May 1924. |

Committee's Minute

Assigned

A. V. Bennett.
Engineer Surveyor to Lloyd's Register of Shipping



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