

Rpt. 4c

Date of writing report Oct. 24, 1961

Received London

Port Miami

No. 364

Survey held at Miami

No. of visits

First date July 18

Last date Oct. 25, 1961

FIRST ENTRY REPORT ON AUXILIARY INTERNAL COMBUSTION ENGINES

Name of Ship MARIA VERONICA Owners J. Manuel Cordova
(Or Contract No. if name unknown) (Or Consignees)
Ship Built at Houston, Texas by Brown Shipbuilding Co. when 1944 Yard No.
Auxiliary Engines or Gas Turbines made at by General Motors when Eng. Nos.
Total No. of sets and description (including type name) 2 Model 3-268A

INTERNAL COMBUSTION RECIPROCATING ENGINES. No. of cylinders per engine 3 Dia. of cylinders 8 1/8" Stroke 10"
2 or 4 stroke cycle 2 Maximum approved BHP at RPM Corresponding MIP Maximum pressure
Fuel diesel Are cylinders arranged in Vee or other special formation? straight line If so, No. of
crankshafts per engine one Is engine of opposed piston type? no No. and type of mechanically driven scavenge pumps or blowers
per engine one No. of exhaust gas driven blowers or superchargers per engine none Is welded construction
used for: Bedplate? yes Entablature? yes Total internal volume of crankcase (if 20 cu. ft. or over) No. and total area of
crankcase explosion relief devices Are flame guards or traps fitted? no Cooling medium for: Cylinders water
Pistons oil No. of attached pumps: F.W. cooling one S.W. cooling one Lubricating oil one How is engine started? electric

SHAFTING. Is a damper or detuner fitted? no No. of main bearings four Are bearings of ball or roller type? no Distance between
inner edges of bearings in way of cranks Crankshaft: Built, semi-built, solid Material of crankshaft steel Approved
minimum tensile strength Dia. of pins Journals Breadth of webs at mid throw Axial
thickness If shrunk, radial thickness around eyeholes Dia. of flywheel Weight Are balance
weights fitted? Total weight Rad. of gyration Dia. of flywheel shaft
Has each engine been tested in shop? How long at full power? Was it tested with driven machinery attached? Was the
governing tested and found satisfactory? Date of approval of torsional vibration characteristics (for engines of 150 BHP and over)
Date of approval of shafting Identification marks on shafting
Particulars of driven machinery

AUXILIARY GAS TURBINES. BHP per set At RPM of output shaft. Open or closed cycle?
Arrangement of turbines. HP drives at RPM HP gas inlet temp. pressure
(A small diagram should be attached showing gas cycle) IP ,, ,, ,, ,, ,,
LP ,, ,, ,, ,, ,, ,,
No. of air compressors per set Centrifugal or axial flow type? Material of turbine blades
Material of compressor blades No. of air coolers per set No. of heat exchangers per set How are
turbines started? Are the turbines operated in conjunction with free piston gas generators?
Total No. of free piston gas generators Dia. of working pistons Dia. of compressor pistons No. of double strokes
per minute at full power Gas delivery pressure Gas delivery temperature
Have the turbines and attached equipment been tested in shop? How long at full power? Were they tested with driven machinery
attached? Particulars of gearing
Date of approval of plans Identification marks Particulars of driven machinery

ELECTRIC GENERATORS. Port and No. of Certificate for generators of 100 Kw. and over no certificates
For generators under 100 Kw., has Makers' Certificate been obtained? no Are Certificates attached? no

The foregoing description is correct and the particulars are as approved for torsional vibration characteristics (strike out words not applicable)
Wade Dry Dock Corp John W. Supt. Manufacturer

Is this machinery duplicate of a previous case? If so, which?

GENERAL REMARKS. State if the machinery has been constructed under special survey in accordance with the Rules, approved plans and Secretary's letters.
State quality of materials and workmanship. Where existing machinery is submitted for classification the circumstances should be explained as fully as possible.
This vessel was constructed and equipped according to U.S. Navy specifications.

Survey Fee To be collected late
Expenses
Date when a/c rendered Fred H. Hallbauer Engineer Surveyor to Lloyd's Register

Declaration to be signed by Surveyor at fitting-out Port:— The above described machinery has been fitted on board the MARIA VERONICA
at MIAMI in a proper manner and found satisfactory when tested on the (date) Oct. 21, 1961 under full working conditions.
Fred H. Hallbauer Engineer Surveyor to Lloyd's Register

