

4c
ers, writing report 11th April, 1958 Received London 22 APR 1958 Port of Vienna No. C, 00527
the tes id at Vienna No. of visits 3 First date 3rd March, 58 Last date 10th April, 1958

FIRST ENTRY REPORT ON AUXILIARY INTERNAL COMBUSTION ENGINES

Ship Piloto Pardo Owners Chilian Government
Contract No. if name unknown). (Or Consignees)
Built at Haarlem by Haarlem'sche Scheepsbouw when 1958 Yard No. 552
ry Engines or Gas Turbines made at Vienna by Messrs. Warchalowski when 1958 Eng. Nos. 26602
No. of sets and description (including type name) 1 x U2I

INTERNAL COMBUSTION RECIPROCATING ENGINES. No. of cylinders per engine 2 Dia. of cylinders 120 mm Stroke 140 mm
stroke cycle 4 Maximum approved BHP 38 at 1800 RPM Corresponding MIP 7.5 kg/cm² Maximum pressure 62 kg/cm²
as Oil Are cylinders arranged in Vee or other special formation? in Vee If so, No. of
shafts per engine 1 Is engine of opposed piston type? - No. and type of mechanically driven scavenge pumps or blowers
gine - No. of exhaust gas driven blowers or superchargers per engine - Is welded construction
or: Bedplate? - Entablature? - Total Internal volume of crankcase (if 20 cu. ft. or over) - No. and total area of
case explosion relief devices - Are flame guards or traps fitted? - Cooling medium for: Cylinders air
s - No. of attached pumps: F.W. cooling - S.W. cooling - Lubricating oil 1 How is engine started? hand
electrically

TING. Is a damper or detuner fitted? - No. of main bearings 2 Are bearings of ball or roller type? 1 bearing Distance between
edges of bearings in way of cranks 195 mm Crankshaft: Built, semi-built, solid. Material of crankshaft SM-Steel Approved
um tensile strength 75 kg/mm² Dia. of pins 70 mm Journals 80/110 mm Breadth of webs at mid throw 120 mm Axial
ter of Shippi 36 mm If shrunk, radial thickness around eyeholes - Dia. of flywheel 600 mm Weight 146 kgs. Are balance
ts fitted? yes Total weight 10.9 Kgs. Rad. of gyration 70 mm Dia. of flywheel shaft -
each engine been tested in shop? yes How long at full power? 4 hours Was it tested with driven machinery attached? no Was the
ing tested and found satisfactory? yes Date of approval of torsional vibration characteristics (for engines of 150 BHP and over) -
of approval of shafting 21/3/58 Identification marks on shafting 8 RC
of approval of driven machinery -
and No. of Certificate for Starting Air Receivers -

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

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

foregoing description is correct and the particulars are as approved for torsional vibration characteristics (strike out words not applicable)
his 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.
te quality of materials and workmanship. Where existing machinery is submitted for classification the circumstances should be explained as fully as possible.
he heavy oil engine has been constructed under special survey in accordance with the Rules
nd Secretary's letters dated 15th and 31st January, 1958. The material used in the con-
struction was found to be good and the workmanship satisfactory. The engine was tested
unning on Makers' test bed under full load and 110 % of full load with satisfactory results.
n my opinion the engine can be recommended for notation +L.M.C. subject to its installation
on board in accordance with the Rules in a well ventilated position.

vey Fee -
penses -
te when a/c rendered -
claration to be signed by Surveyor at fitting-out Port:— The above described machinery has been fitted on board the -
in a proper manner and found satisfactory when tested on the (date) - under full working conditions.
Engine Surveyor to Lloyd's Register



Engine Surveyor to Lloyd's Register

Engine Surveyor to Lloyd's Register

013252-013259-0128