Odense 141.

16375.

Received London 4 MAR 1958 Port Copenhagen No.

...iting report 29/5.1957 No. of visits 16 First date 14/1.57 Last date 26/3.57

...l at Copenhagen

FIRST ENTRY REPORT ON AUXILIARY INTERNAL COMBUSTION ENGINES

...Ship "Laust Mærsk" Owners (Or Consignees)

...tract No. if name unknown).

...lt at Odense by Odense S when '58 Yard No. 141

...y Engines ~~or Gas Turbines~~ made at Copenhagen by A/S Burmeister & Wain when 1957 Eng. Nos. 5932-33-34

...o. of sets and description (including type name) 3 off DM 525 MTBH-40 Aux. eng. Heavy oil Trunk piston, solid injection.

...NAL COMBUSTION RECIPROCATING ENGINES. No. of cylinders per engine 5 Dia. of cylinders 245 mm Stroke 400 mm

...troke cycle 4 Maximum approved BHP 360 at 450 RPM Corresponding MIP 9.3 kg/cm² Maximum pressure 60 kg/cm²

...heavy oil Are cylinders arranged in Vee or other special formation? No If so, No. of

...afts per engine - Is engine of opposed piston type? No No. and type of mechanically driven scavenge pumps or blowers

...ne none No. of exhaust gas driven blowers or superchargers per engine 1 Is welded construction

...: Bedplate? No Entablature? No Total Internal volume of crankcase (if 20 cu. ft. or over) 224 m³ No. and total area of

...se explosion relief devices 2 off 470 cm² Are flame guards or traps fitted? yes Cooling medium for: Cylinders water

... none No. of attached pumps: F.W. cooling - S.W. cooling - Lubricating oil 1 How is engine started? by

...pressed air

...TING. Is a damper or detuner fitted? No No. of main bearings 6 Are bearings of ball or roller type? No Distance between

...dges of bearings in way of cranks 315 mm Crankshaft: ~~Built~~, semi-built, ~~solid~~. Material of crankshaft SM Steel Approved

...m tensile strength 44 kg/mm² Dia. of pins 170 mm Journals 170 mm Breadth of webs at mid throw 292 mm Axial

...ss 90 mm If shrunk radial thickness around eyeholes 82,5 mm ~~Dia.~~ WD² of flywheel 2300 kgm² Weight - Are balance

...fitted? yes Total ~~weight~~ WD² 44,2 kgm² Rad. of gyration - Dia. of flywheel shaft -

...ch engine been tested in shop? yes How long at full power? 6 hours Was it tested with driven machinery attached? yes Was the

...ing tested and found satisfactory? yes Date of approval of torsional vibration characteristics (for engines of 150 BHP and over) 23-12-55

...f approval of shafting 23-12-55 Identification marks on shafting CPN 1864-1865-1866. VL 28-12-56

...ulars of driven machinery 3 off generators T.B. Thrige. AC No. 904770-71-72 3 off Excitators Nos. 3019392-4 VH 22-11-56 300 K.V.A. 440 Volt 394 Amp. Excitator 40 Volt 94 Amp. generator WD² = 775 kgm²

...nd No. of Certificate for Starting Air Receivers Cert. No. 7367 No. 920395/POS. 6/10. 1 off 300 L Starting Air Receiver.

...LIARY GAS TURBINES. BHP per set At RPM of output shaft. Open or closed cycle?

...gement of turbines. HP drives at RPM HP gas inlet temp. pressure

...l diagram should be ...d showing gas cycle) IP " at " IP " " " "

LP " at " LP " " " "

...f air compressors per set Centrifugal or axial flow type? Material of turbine blades

...rial of compressor blades No. of air coolers per set No. of heat exchangers per set How are

...es started? Are the turbines operated in conjunction with free piston gas generators?

No. of free piston gas generators Dia. of working pistons Dia. of compressor pistons No. of double strokes

...inute at full power Gas delivery pressure Gas delivery temperature

...the turbines and attached equipment been tested in shop? How long at full power? Were they tested with driven machinery

...hed? Particulars of gearing

...of approval of plans Identification marks Particulars of driven machinery

...CTRIC GENERATORS. Port and No. of Certificate for generators of 100 Kw. and over yes

...enerators under 100 Kw., has Makers' Certificate been obtained? Are Certificates attached?

AKTIESELSKABET BURMEISTER & WAIN'S MASKIN- OG SKIBSBYGGERI

...foregoing description is correct and the particulars are as approved for torsional vibration characteristics (strike out words not applicable)

Manufacturer

...is machinery duplicate of a previous case? yes If so, which? "LEDA MÆRSK"

...NERAL REMARKS. State if the machinery has been constructed under special survey in accordance with the Rules, approved plans and Secretary's letters. ...e quality of materials and workmanship. Where existing machinery is submitted for classification the circumstances should be explained as fully as possible.

...he heavy oil engines have been constructed under special survey in accordance with the Rules, approved ...lans and the Secretary's letters.

...he material has been tested as required by the Rules and the workmanship is good.

...vey Fee kr. 1.590,-

...rging ...enser kr. 120,-

...e when a/c rendered 29/5/1957 Entered in R.F.B. 29/5/1957

H. J. Larsen

Engineer Surveyor to Lloyd's Register

...laration to be signed by Surveyor at fitting-out Port:— The above described machinery has been fitted on board the "LAUST MÆRSK" Odense in a proper manner and found satisfactory when tested on the (date) 23-11-57 under full working conditions.

Engineer Surveyor to Lloyd's Register

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