

4 MAR 1958

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Report No. 30.11.56. Received London Copenhagen No. at Kalundborg No. of visits 3 First date 27.9.56. Last date 21.11.56.

FIRST ENTRY REPORT ON AUXILIARY INTERNAL COMBUSTION ENGINES

Ship Owners A.P. Møller (Or Consignees) at Odense by A/S Odense Stålskibsvarft when Yard No. 141 Engines made at Kalundborg by A/S Motorfabriken Bukh when 1956 Eng. Nos. 50699 of sets and description (including type name) 1 off BD 3 EV 100 heavy oil, trunk piston, solid injection... No. of cylinders per engine 3 Dia. of cylinders 100 mm Stroke 130 mm... Maximum approved BHP 30 at 1650 RPM Corresponding MIP 6.5 kg/cm2 Maximum pressure 55 kg/cm2... heavy oil Are cylinders arranged in Vee or other special formation? no... Is engine of opposed piston type? - No. and type of mechanically driven scavenge pumps or blowers... No. of exhaust gas driven blowers or superchargers per engine none Is welded construction... Bedplate? no Entablature? no Total Internal volume of crankcase (if 20 cu. ft. or over) - No. and total area of explosion relief devices none Are flame guards or traps fitted? - Cooling medium for: Cylinders water... No. of attached pumps: F.W. cooling - S.W. cooling 1 Lubricating oil 1 How is engine started? by hand compressed air... Is a damper or detuner fitted? - No. of main bearings 4 Are bearings of ball or roller type? no Distance between... Crankshaft: S.M. steel solid Material of crankshaft S.M. steel Approved... Journals 70 mm Breadth of webs at mid throw 120 mm Axial... Dia. of flywheel 650 mm Weight 110 kg Are balance... Total weight GD2 = 30 kgm2 Dia. of flywheel shaft -... How long at full power? 6 hours Was it tested with driven machinery attached? yes... Date of approval of torsional vibration characteristics (for engines of 150 BHP and over) -... Identification marks on shafting DSF No. 266 A CPN K.H. 27.9.56. Particulars of driven machinery 1 off Myhrwold & Rasmussen centrifugal pump No. 64524 CPN V.H. 16.10.56. CPN No. 1439 LLOYD'S W.L. 29.5.56.

AUXILIARY GAS TURBINES. BHP per set At RPM of output shaft. Open or closed cycle? HP drives at RPM HP gas inlet temp. pressure IP at LP at Centrifugal or axial flow type? Material of turbine blades No. of air coolers per set No. of heat exchangers per set How are started? Are the turbines operated in conjunction with free piston gas generators? Dia. of working pistons Dia. of compressor pistons No. of double strokes Gas delivery pressure Gas delivery temperature Were they tested with driven machinery Particulars of gearing Particulars of driven machinery

ELECTRIC GENERATORS. Port and No. of Certificate for generators of 100 Kw. and over. Are Certificates attached?

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

GENERAL REMARKS. State if the machinery has been constructed under special survey in accordance with the Rules, approved plans and Secretary's letters. The above heavy oil engine has been built under Special Survey in accordance with the Rules, approved plans and the Secretary's letter dated 29.5.55. The material used has been tested as required by the Rules. The workmanship is good. The heavy oil engine set tested under full power working condition in the shop and found satisfactory.

Surveyor's Fee 150.00 23.00 when a/c rendered 25/11/1956 Entered in R.F.B. 23/11/56 Engineer Surveyor to Lloyd's Register M. E. Hansen

Signature of Surveyor at fitting-out Port: The above described machinery has been fitted on board the M.V. Faust Maank 20 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