

114 FEB 1958

4c

Writing report: Osaka, Received London: Kobe, No. FE-5172, No. of visits: 12, First date: 23-5-57, Last date: 12-9-57

FIRST ENTRY REPORT ON AUXILIARY INTERNAL COMBUSTION ENGINES

M.V. "KOBU MARU", Owners: Daido Kaiun K.K., Built at: Nagasaki, by: Mitsubishi Zosen K.K., when: Jan. 1958, Yard No. 1498, Auxiliary Engines: Daihatsu Kogyo K.K., when: Sept. 57, Eng. Nos. 525011, 525012, 525013

INTERNAL COMBUSTION RECIPROCATING ENGINES. No. of cylinders per engine: 5, Dia. of cylinders: 250 mm, Stroke: 320 mm, 4 stroke cycle, Diesel oil, Maximum approved BHP: 300 B.H.P. at 450 RPM, Corresponding MIP: 7.64 kg/cm², Maximum pressure: 55 kg/cm²

SHAFTING. Is a damper or detuner fitted? No, No. of main bearings: 6, Are bearings of ball or roller type? No, Crankshaft: Built, Crankshaft: Forged steel, Material of crankshaft: Forged steel, Journals: 200 mm, Breadth of webs at mid throw: 250 mm, Dia. of flywheel: 1,300 mm, Weight: 1920 kg

AUXILIARY GAS TURBINES. BHP per set: At, RPM of output shaft: Open or closed cycle?, HP drives: at, HP gas inlet temp.: pressure, IP, LP, Centrifugal or axial flow type?, Material of turbine blades, No. of air coolers per set, No. of heat exchangers per set

ELECTRIC GENERATORS. Port and No. of Certificate for generators of 100 Kw. and over: Nagasaki No. ACG2305, No. ACG2306, No. ACG2307, generators under 100 Kw., has Makers' Certificate been obtained? Are Certificates attached? Yes

Is the foregoing description correct and the particulars are as approved for torsional vibration characteristics (strike out words not applicable), this machinery duplicate of a previous case? Yes, If so, which? Mitsubishi, Nagasaki S.M.V. "KOSEI MARU" & "KO HOH MARU"

GENERAL REMARKS. State if the machinery has been constructed under special survey in accordance with the Rules, approved Plans and Secretary's letters. The Machinery has been constructed under Special Survey in accordance with the Rules, approved Plans and Secretary's letters. The materials and workmanship are sound and satisfactory.

Survey Fee: 132,000, when a/c rendered: SEP 17 1957, Nagasaki, in a proper manner and found satisfactory when tested on the (date) 17-12-57 under full working conditions.

Signature: Engineer Surveyor to Lloyd's Register, Lloyd's Register Foundation, 011851-011859-0082