

f writing report 28/3-1958. Received London Port GOTHENBURG. No. 24300
 plans JÖNKÖPING. No. of visits 5. First date 3/1 Last date 30/2-1958.
 held at

FIRST ENTRY REPORT ON AUXILIARY INTERNAL COMBUSTION ENGINES

Name of Ship **"S I G N E I N G E L S S O N"** Owners **A.-B. Transmarin**
 Contract No. if name unknown. (Or Consignees)
 Built at **Gothenburg.** by **A.-B. Götaverken** when **1958** Yard No. **728**
 and four auxiliary Engines ~~or Gas Turbines~~ made at **Jönköping** by **A.-B. Jönköpings Motorfabrik** when **1958** Eng. Nos. **3024/5**
 I No. of sets and description (including type name) **2 Götaverken Diesel Motors type 300/450 G6**
 and p
 tache
INTERNAL COMBUSTION RECIPROCATING ENGINES. No. of cylinders per engine **6** Dia. of cylinders **300 mm.** Stroke **450 mm.**
4 stroke cycle **4** Maximum approved BHP **365** at **350** RPM Corresponding MIP **6.5 kg/cm²** Maximum pressure **49 kg/cm²**
Diesel Oil Are cylinders arranged in Vee or other special formation? **No.** If so, No. of
 shafts per engine **---** Is engine of opposed piston type? **No.** No. and type of mechanically driven scavenge pumps or blowers
 engine **None.** No. of exhaust gas driven blowers or superchargers per engine **None.** Is welded construction
 for: Bedplate? **No.** Entablature? **No.** Total internal volume of crankcase (if 20 cu. ft. or over) **4.5 m³** No. and total area of
 crankcase explosion relief devices **5x119 = 595 cm²** Are flame guards or traps fitted? **Yes.** Cooling medium for: Cylinders **Fresh Water.**
 ons **---** No. of attached pumps: F.W. cooling **---** S.W. cooling **---** Lubricating oil **One.** How is engine started? **Compr. Air**

TESTING. Is a damper or detuner fitted? No. No. of main bearings 7 Are bearings of ball or roller type? No. Distance between
 er edges of bearings in way of cranks 378 mm. Crankshaft: ~~Box type semi solid~~ solid. Material of crankshaft S.M. Steel Approved
 minimum tensile strength 44 kg/mm² Dia. of pins 190 mm. Journals 190 mm. Breadth of webs at mid throw 260 mm. Axial
 ckness 105 mm. If shrunk, radial thickness around eye holes --- Dia. of flywheel 1500 mm. Weight 1440 kgs. Are balance
 ights fitted? No. Total weight --- Rad. of gyration --- Dia. of flywheel shaft Integral
 is each engine been tested in shop? Yes. How long at full power? 6 hours Was it tested with driven machinery attached? Yes. Was the
 verning tested and found satisfactory? Yes. Date of approval of torsional vibration characteristics (for engines of 150 BHP and over) 16.8.57.
 te of approval of shafting 16/8-57. Identification marks on shafting LLOYD'S GOT 1331 BJ.17.10.57: LLOYD'S GOT 243 BJG 14.11.57.
 rticulars of driven machinery One 240 KW Generator to each Diesel Motor.

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.....

IP at IP
LP at 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 Got. FSAB Serial No. 63528/9.
For generators under 100 Kw., has Makers' Certificate been obtained? --- Are Certificates attached? Yes.

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

-57

AKTIEBOLAGET JÖNKÖPINGS MOTÖRFABRIK

Sten Erik Ekström

Manufacturer


-588 this machinery duplicate of a previous case? Yes. If so, which? Breda 206. Gothenburg First Entry Report No. 23876.

7. **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.*

These auxiliary engines have been built under Special Survey in accordance with the Rules, approved plans and Secretary's letters.

28 The workmanship and material used are good.
Certificate in respect of crank shafts are attached.

Survey Fee Kr. 1120:-
Expenses Kr. 81:-
Date when a/c rendered 2/4-1958.


Engineer Surveyor to Lloyd's Register

19. Declaration to be signed by Surveyor at fitting-out Port:— The above described machinery has been fitted on board the m.t. "SIGNE INGELSSON" at Gothenburg in a proper manner and found satisfactory when tested on the (date) 9/7 -58 under full working conditions.

Engineer Surveyor to Lloyd's Register

011478-011484-0272

011478-011484-0272

V11470-V11484-V11490