

2-OCT 1958

Form 4c
of writing report 30-9-58
Received London
Port of Stockholm
No. 12228
No. of visits 11
First date 13.3.58
Last date 28.5.59
City held at Stockholm

FIRST ENTRY REPORT ON AUXILIARY STEAM TURBINE OR STEAM RECIPROCATING ENGINES

Owners (Or Consignees)
Contract No. if name unknown
Built at Rijeka by Messrs. Brodogradiliste "3 maj" when 1959 Yard No. 460
Auxiliary turbines or engines made at Stockholm by A/B de Lavals Ångturbin when 1959 Eng. Nos. 45070
Total No. of sets and description One Back Pressure Impulse Turbo Generating Set
Type VM 0.63 D6D.
No. of turbines per set 1 SHP per set 680 Steam pressure 41.4 ATÖ Steam temperature 460° C
Type of turbines Impulse
Particulars of gearing Single Reduction Double Helical
PM of turbine shaft(s) 13000 PCD of pinion(s) 94.685 mm PCD of wheel(s) 1025.373 mm Material of pinion(s) Electro Steel Material of wheel rim(s) Electro Steel Has rotor been dynamically balanced? Yes Diameter of rotor shaft at bearings 49.75 & 59.7 mm Does the set include a steam condenser? No Is an emergency governor fitted? Yes No. and purpose of attached pumps One Lubricating Oil Pump Has the set been tested in the shop? Yes If so, for how long at full power? 12 hours Was the governing tested and found satisfactory? Yes Was the set tested with driven machinery attached? Yes
Identification marks Rotor:- NAP 3407 SKM FGB 12.11.58. Particulars of driven machinery A.C. Generator, Siemens
Wheel Rim:- 8826 SKM WAC 2.12.58. Type F-3341-6 P21. 3 phase
Gearing Wheel Shaft:- 1955 SKM IL 19.9.58. 60 cycles Rating 560 KVA at 1200r.p.m.
Pinion:- 1578 SKM WAC 11.10.58. Driven through an elastic coupling.
Couplings:- 2233, 2234 SKM WAC 13.3.58.
2240, 2250 SKM WAC 15.3.58.
3789 SKM WAC 13.5.58.
TEAM RECIPROCATING ENGINES. BHP of each at RPM Steam pressure
Dia. of cylinders Stroke Dia. of crankshaft journals Pins Material of crankshaft Is crankcase enclosed? If so, is the internal volume 20 cu. ft. or over? No. and total area of crankcase
Explosion relief devices fitted? Are the bearings forced lubricated? No. and purpose of attached pumps
Is a Governor Fitted? Identification Marks

Particulars of Driven Machinery
ELECTRIC GENERATORS. Port and No. of Certificate for generators of 100 Kw. and over Augsburg, Marked LLOYDS AUG HKS LR 4.12.57.
For generators under 100 Kw., has Makers' Certificate been obtained? Are Certificates attached?

The foregoing description is correct.

Lars Norberg
AB DE LAVALS ÅNGTURBIN
Technical section
Manufacturer

Is this machinery duplicate of a previous case? Yes If so, which? Brodogradiliste Yard No. 459.

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.
This machinery has been constructed under Special Survey of tested and approved materials and in accordance with the approved plans, Secretary's letters and the requirement of the Rules. The materials and workmanship are good and the machinery, coupled to its electric generator (No. 417391), was tested at the Engine Builders Works under full load conditions. The governor hand tripping- and automatic steam-shut-off-arrangements were tested and operated satisfactorily. On completion the machinery was opened up, examined and alignment gauges adjusted. In my opinion, this machinery is eligible to have the notation of +LMC when securely fitted onboard a vessel to the inspection and satisfaction of the Society's Surveyors.

Survey Fee Kr. 790.
Expenses Kr. 33.
Date when a/c rendered 30-9-58.

W. A. Alcock
Engineer Surveyor to Lloyd's Register

Declaration to be signed by Surveyor at fitting-out Port:— The above described machinery has been fitted on board the "TRUD" at Rijeka in a proper manner and found satisfactory when tested on the (date) 28/10/59 under full working conditions.

PLEASE RETURN THIS REPORT WITH YOUR FIRST ENTRY.

Fred J. Burn
Engineer Surveyor to Lloyd's Register

Lloyd's Register Foundation