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Copy sent to Rotterdam Surveyors

Rpt. 4c

Date of writing report

12-8-1963

Received London

125 SEP 1963

Port Amsterdam

No. 25650

Survey held at Amsterdam

No. of visits 9

First date 23-11-1962

Last date 31-5-1963

FIRST ENTRY REPORT ON AUXILIARY STEAM TURBINE OR STEAM RECIPROCATING ENGINES

Name of Ship "POOLSTER"
(Or Contract No. if name unknown)

Owners
(Or Consignees)

Ship Built at Rotterdam

by Rotterdamsche Droogdok Mij N.V.

when

Yard No. 307

Auxiliary turbines or engines made at Amsterdam

by Werkspoor N.V.

when 1963

Eng. Nos. 486/7

Total No. of sets and description 2 - Werkspoor 6C45., each driving through reduction gearing a generator of 620 Kw.

STEAM TURBINES. No. of turbines per set one BHP per set 845 Steam pressure 44 kg/mm² Steam temperature 465° C.

Type of turbines Werkspoor 6C45

Particulars of gearing Rademakers make, type Raplan 20 L

RPM of turbine shaft(s) 10.000

PCD of pinion(s)

PCD of wheel(s)

Material of

pinion(s)

Material of wheel rim(s)

Has rotor been dynamically balanced? yes

Diameter of rotor

shaft at bearings 80 mm

Does the set include a steam condenser? no

Is an emergency governor fitted? yes

No. and purpose of

attached pumps one lub. oil pump

Has the set been tested in the shop? yes

If so, for how long at full

power? partly loaded

Was the governing tested and found satisfactory? yes

Was the set tested with driven machinery attached? yes

Identification marks Rotors: Lloyds AMS nos. 1041/42 FL 31-5-63

Particulars of driven machinery

Gearings: Raplan 20 L No. 2608147 No. 1 and 2

Generators: Smit type DC 88/44 No. 1 - 4749 - 1D1 and 1D2

STEAM 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 Rotterdam; port of fitting out.

For generators under 100 Kw., has Makers' Certificate been obtained? Are Certificates attached? no

The foregoing description is correct.

Werkspoor Amsterdam

Manufacturer

Is this machinery duplicate of a previous case? no If so, which?

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 turbines were built under Special Survey in accordance with the Rules, approved plans and Secretary's letters. Tested materials have been used and the workmanship is good.

The turbines were tested under partly loaded conditions, safety devices tried, all found satisfactory.

After trials engines opened out and rotors rebalanced.

In my opinion these turbines merit the approval of the Committee.

Survey Fee 2 fls. 430,-

Expenses 2 fls. 8,-

Date when a/c rendered 19-9-1963

A.C. Buijze.

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 ss Poolster at Rotterdam in a proper manner and found satisfactory when tested on the (date) 18-6-1963 under full working conditions.