

Date of writing Report 9th June 1937 When handed in at Local Office 11th June 1937 Port of Gothenburg Received at London Office JUN 12 1937

No. in Survey held at Gothenburg Date, First Survey 22nd Feb. 1937 Last Survey 27th May 1937 Number of Visits 10

89000 on the Single Screw vessel 1/5 "KOLLBJÖRG" Tons { Gross 8259 Net 4978

Built at Gothenburg By whom built ERIKSBERGS M.V. AKTIEB. Yard No. 264 When built 1937-5

Owners AKTIESELSKAPET KOLLBJÖRG Port belonging to OSLO

Oil Engines made at Gothenburg By whom made ERIKSBERGS M.V. AKTIEB ENGINE Contract No. 161 When made 1937

Generators made at VÄSTERÅS By whom made ALLM. SVENSKA. ELEKTR. AKTIEB Contract No. 882178 When made 1937

No. of Sets 1 Engine Brake Horse Power 135 Nom. Horse Power as per Rule 39.3 Total Capacity of Generators 100 Kilowatts.

OIL ENGINES, &c.—Type of Engines Diethyl oil engine, solid injection 2 or 4 stroke cycle 2 Single or double acting single

Maximum pressure in cylinders 49.0 kg/cm² Diameter of cylinders 290 mm Length of stroke 370 mm No. of cylinders 3 No. of cranks 3

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 280 mm Is there a bearing between each crank Yes

Revolutions per minute 350 Flywheel dia. 1200 mm Weight 1550 kg Means of ignition Compression Kind of fuel used Diethyl oil

Crank Shaft, dia. of journals 150 mm Crank pin dia. 150 mm Crank Webs Mid. length breadth 940 mm Thickness parallel to axis 85 mm

Flywheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thickness of cylinder liners 18 mm

Is a governor or other arrangement fitted to prevent racing of the engine when disengaged Yes Means of lubrication Forced

Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material Lagged

Cooling Water Pumps, No. One Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes

Lubricating Oil Pumps, No. and size One 240 liters/minute, direct driven

Air Compressors, No. One No. of stages 2 Diameters 250 & 280 mm Stroke 190 mm Driven by Direct driven

Scavenging Air Pumps, No. One Diameter as per Rule Stroke as per Rule Driven by Direct driven

AIR RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule Yes

Can the internal surfaces of the receivers be examined Yes What means are provided for cleaning their inner surfaces Yes

Is there a drain arrangement fitted at the lowest part of each receiver Yes

High Pressure Air Receivers, No. None Cubic capacity of each as per Rule Internal diameter as per Rule thickness as per Rule

Starting Air Receivers, No. One for both engines Total cubic capacity 180 liters Internal diameter 370 mm thickness 14 mm

ELECTRIC GENERATORS:—Type Drip proof compound (L.E.105)

Pressure of supply 220 volts. Full Load Current 350 Amperes. Direct or Alternating Current Direct current

If alternating current system, state the periodicity as per Rule Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on and off Yes

Generators, are they compounded as per rule Yes is an adjustable regulating resistance fitted in series with each shunt field Yes

Are all terminals accessible, clearly marked, and furnished with sockets Yes

Are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched Yes Are the lubricating arrangements of the generators as per Rule Yes

If the generators are under 100 kw. full load rating, have the makers supplied certificates of test Yes and do the results comply with the requirements Yes

If the generators are 100 kw. or over have they been built and tested under survey Yes

PLANS. Are approved plans forwarded herewith for Shafting No. 29/6/36 Receivers No. 4/3/36 Separate Tanks No. 3/7/35

SPARE GEAR as required by the Rules has been supplied.

Additional principal parts supplied for the auxiliary engines:—

1 cylinder cover complete with cooling jacket.

1 piston complete with piston rings and also gudgeon pin.

1 bush for the gudgeon pin.

2 1/2 of crank pin brasses.

2 1/2 of main bearing brasses.

2 fuel valves complete and 3 odd. valve spindles for same.

3 fuel pump plungers.

The foregoing is a correct description,

Eriksbergs Mek. Verkstads Aktiebolag Manufacturer.

W1189-0097

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Dates of Survey while building { During progress of work in shops - 1937: Feb 29, 24 March 4, 17, 31 April 17 May 4.
 { During erection on board vessel - 1937: May 10, 25, 27
 Total No. of visits 10

Dates of Examination of principal parts—Cylinders 29/2/37 Covers 29/2/37 Pistons 24/2/37 Piston rods ✓
 Connecting rods 24/2/37 Crank and Flywheel shaft 17/3/27 Intermediate shaft ✓
 Crank and Flywheel shafts, Material S.M. Steel Identification Mark LLOYDS 4891 JS4 26.11.36 256.699
 Intermediate shafts, Material ✓ Identification Marks ✓

Is this machinery duplicate of a previous case No. If so, state name of vessel ✓

General Remarks (State quality of workmanship, opinions as to class, &c.)

This auxiliary engine has been built under special survey and fitted on board under my inspection and has been tested and found satisfactory.

The workmanship is good and all the requirements of the Rules have been complied with.

A copy of the forging reports of the crank shaft is attached.

Rpt. 4c.
 Date of writing
 No. in S. Reg. Book. SUPPLEMENT 89000
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 PLANS.
 SPARE

1m. 2.30.—Transfer.
 (The Surveyors are requested not to write on or below the space for Committee Minute.)

The amount of Fee	£ 20 : ✓	When applied for, ✓ 19
Travelling Expenses (if any) £	:	When received, 19

S. Mander
 Surveyor to Lloyd's Register of Shipping.

FRI 18 JUN 1937

Committee's Minute

Assigned

See fol. JE 11282