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Date of writing Report 16-12-1930 When handed in at Local Office 19 Port of Rotterdam

No. in Survey held at Rotterdam Date, First Survey 21-10-29 Last Survey 26-9-1930
Reg. Book.

on the ^{Single}~~Twin~~ Screw vessel "KOTA AGOENG"
^{Triple}
^{Quadruple}

Tons { Gross 4851
Net 4601

Built at Rotterdam By whom built M. J. Jansz Yard No. 317 When built 1930

Owners Rotterdamse Lloyd Port belonging to Rotterdam

Oil Engines made at Rotterdam By whom made M. J. Jansz Contract No. - When made 1930
~~M.A.N.~~

Generators made at Heiloo By whom made C. D. Willems Contract No. - When made 1930
~~M.A.N.~~

No. of Sets 2 Engine Brake Horse Power - Nom. Horse Power as per Rule - Total Capacity of Generators 400 Kilowatts

OIL ENGINES, &c.—Type of Engines *M. A. N. Diesel* 2 or 4 stroke cycle *4* Single or double acting *Single*

Maximum pressure in cylinders *35 kg* Diameter of cylinders *425 mm* Length of stroke *600 mm* No. of cylinders *5* No. of cranks *5*

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge *500 mm* Is there a bearing between each crank *yes*

Revolutions per minute *200* Flywheel dia. *2500* Weight *10500 kg* Means of ignition *Compression* Kind of fuel used *Diesel oil*

Crank Shaft, dia. of journals *as per Rule 269.9 mm* Crank pin dia. *269.9 mm* Crank Webs Mid. length breadth *380 mm* Thickness parallel to axis *shrunk*

as fitted 269.9 mm Mid. length thickness *145 mm* Thickness around eyehole *-*

Flywheel Shaft, diameter *as per Rule 540 mm* Intermediate Shafts, diameter *as fitted -* Thickness of cylinder liners *-*

as fitted - Is a governor or other arrangement fitted to prevent racing of the engine when declutched *yes* Means of lubrication *Taper*

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

Cooling Water Pumps, No. *2* Is the sea suction provided with an efficient strainer which can be cleared within the vessel *yes*

Lubricating Oil Pumps, No. and size *1 Cap 36 ton/hour*

Air Compressors, No. *1* No. of stages *3* Diameters *330 x 290 x 72* Stroke *250 mm* Driven by *Engine*

Scavenging Air Pumps, No. *✓* Diameter *✓* Stroke *✓* Driven by *✓*

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 Common

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

High Pressure Air Receivers, No. 2 Cubic capacity of each 80 cux Internal diameter 403 mm thickness 14.5 mm

Seamless, lap welded or riveted longitudinal joint Seamless Material SM Steel Range of tensile strength _____ Working pressure by Rules 45

Starting Air Receivers, No. 1 Total cubic capacity 400 cux Internal diameter 405 thickness 14.5 mm

Seamless, lap welded or riveted longitudinal joint - Material - Range of tensile strength _____ Working pressure by Rules 30 kg

ELECTRIC GENERATORS:—Type *Compound wound*
 Pressure of supply *220* volts. Load *900* Amperes. Direct or Alternating Current *Direct*
 If alternating current system, state frequency of periods per second *✓*
 Has the **Automatic Governor** been tested and found efficient when the whole load is suddenly thrown on or off *yes*
Generators, do they comply with the requirements regarding rating *yes* are they compound wound *yes*
 are they over compounded 5 per cent. *yes*, if not compound wound state distance between each generator *✓*
 is an adjustable regulating resistance fitted in series with each shunt field *✓* Are all terminals accessible, clearly marked, and furnished with sockets
 are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched *✓* Are the lubricating arrangements of the generators as per Rule *✓*

PLANS. Are approved plans forwarded herewith for Shafting _____ Receivers _____ Separate Tanks _____
(If not, state date of approval)

SPARE GEAR One cylinder cover complete with valves, springs etc. One set of fuel valves, One set of piston rings. One set of studs and nuts for one cylinder. 2 crosshead brackets and one pin. 2 crankpin and 2 bearing bolts with nuts. A complete set of piston rings for an compressor. a set of valves for an compressor. a fuel pump, complete and further a number of parts as per owners specifications.

The foregoing is a correct description.
 (Maatschappij voor Scheeps- en Werktuigbouw
 "F. W. ENOORD." N.V.

Manufacturer.

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Dates of Survey while building

During progress of work in shops - -	1929. 1/10	25/10	29/10	12/11	29/11	1930 14/1	25/1	24/2	25/2	14/3	16/3	22/3	8/4	9/5
During erection on board vessel - - -	1930. 1/6	5/6	19/6	25/6	14/7	26/7								
Total No. of visits	20													

Dates of Examination of principal parts—Cylinders *Made* Covers *—* Pistons *German* Piston rods *—*
Connecting rods *—* Crank and Flywheel shaft *Made* Intermediate shaft *German*
Crank and Flywheel shaft, Material *SM Steel* Identification Mark *—* Intermediate shafts, Material *—* Identification Marks *—*

Is this machinery duplicate of a previous case *Yes* If so, state name of vessel *Mr. Koto Inten, Koto Gede "Koto Tjondar"*
General Remarks (State quality of workmanship, opinions as to class, &c. *These engines have been*

made under special survey in accordance with the approved plans, Society Rules and Keelways, letters, material tested as required and workmanship good and were found in a good working condition when tried

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

Committee's Minute
Assigned *See J.E. Rpt.*

H. H. Tetlow
Surveyor to Lloyd's Register of Shipping.



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