

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 92946

8 AUG 1928

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Date of writing Report

When handed in at Local Office

Port of

London

Date, First Survey

January 20

Last Survey

July 23 1928

Date, Book

Number of Visits

30

on the ^{Screw} ~~Twin~~ ^{Triple} ~~Quadruple~~ Screw vessel

ASAMA - MARU

Tons

Gross

Net

Built at

Nagasaki

By whom built

Mitsubishi Dockyard

Yard No.

When built

Engines

Pacific Lines & Nippon Yusen Kaisha

Port belonging to

Engines made at

Bedford

By whom made

Messrs. W. H. Allen & Co. Ltd.

Contract No.

866/1928

When made

1928

Engines made at

Bedford

By whom made

Messrs. W. H. Allen & Co. Ltd.

Contract No.

866/1928

When made

1928

No. of Sets

4

Engine Brake Horse Power

2640

Nom. Horse Power as per Rule

754

Total Capacity of Generators

1800 Kilowatts.

L. ENGINES, &c.

Type of Engines

Diesel (Burmester-Main)

2 or 4 stroke cycle

4

Single or double acting

Maximum pressure in cylinders

575 lb/sq in.

Diameter of cylinders

410 in.

Length of stroke

600 in.

No. of cylinders

6

No. of cranks

6

Position of bearings, adjacent to the Crank, measured from inner edge to inner edge

506 in.

Is there a bearing between each crank

Yes

Revolutions per minute

250

Flywheel dia.

2220 in.

Weight

6.9 tons

Means of ignition

Compression

Kind of fuel used

Crank Shaft, dia. of journals

227 in.

as per Rule

240 in.

Crank pin dia.

240 in.

Mid. length breadth

360 in.

Mid. length thickness

Crank Shaft, dia. of journals

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Dates of Survey while building: During progress of work in shops - Jan. 20. 23. Feb. 17. 25. 27. March 5. 23. April 24. 28. May 1. 12. 17. 22. 26. 29. 30. June 5. 8. 13. 15. 21. 22. 25. 29. July 7. 11. 12. 17. 18. 23. 1928.
 During erection on board vessel -
 Total No. of visits - 31 partial = 12 full.

Dates of Examination of principal parts - Cylinder 28. by 1. 7. 25. 29. Corer 22. 25. 29. by 7. 10. Pistons 24. 6. 28. 18. 7. 28. Piston rods ✓
 Connecting rods Jan. 20. 23. March 5. April 24. May 30. Crank and Flywheel shaft 22. 5. 24. 22. 6. 28. 7. 7. 28. Intermediate shaft ✓
 Crank and Flywheel shaft, Material Steel Identification Mark SEE BELOW

Is this machinery duplicate of a previous case Yes If so, state name of vessel S.S. Duchess of Richmond

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

ENG. A. LLOYDS 9004 27-12-27 K
 ENG. B. LLOYDS 9003 27-12-27 K
 ENG. C. 916 LLOYDS N° 434 RWF 25-5-28
 ENG. D. 1298 RWF LLOYDS 395 19-6-28.

This machinery has been constructed under Special Survey in accordance with approved plans and Rule Requirements.
 The Workmanship and Materials, so far as can be seen, are good and satisfactory bench trials have been carried out under survey.
 The four sets which are numbered 86601/A/B/C/D have been despatched to Nagasaki where they are to be installed on board and, in my opinion, will be eligible for inclusion in the Classification and record of H.M.C. of the vessel.

The amount of Fee ... £ 75-8-0 When applied for, 8 AUG 1928
 Travelling Expenses (if any) £ 19-14-2 When received, 16. 8. 28 J.N.H.

Arthur H. Palmer.
 Surveyor to Lloyd's Register of Shipping.

TUE. 24 MAR 1931

Committee's Minute FRI. 29 NOV 1929
 Assigned See Nag. J. 6. 11. No 1641