

No. 119324

S, &c.—Type of Engines *45CSA* (*H Type*) 2 or 4 stroke cycle *4* Single or double acting *Single*  
in cylinders *900 lbs* Diameter of cylinders *105 7/8* Length of stroke *152 7/8* No. of cylinders *2* No. of cranks *2*  
Firing order in cylinders *1-2-3-4* Span of bearings, adjacent to the Crank, measured from inner edge to inner edge *134 7/8*  
between each crank *Yes* Moment of inertia of flywheel (16 m<sup>2</sup> or Kg.-cm.<sup>2</sup>) *1000* Revolutions per minute *1000*  
Weight *380 lbs.* Means of ignition *Compression* Kind of fuel used *Pool gas oil*  
of journals as per Rule *As approved* Crank pin dia. *62 7/8* Crank Webs Mid. length breadth *84 7/8* Thickness parallel to axis *shrunk*  
as fitted *62 7/8* Mid. length thickness *32 7/8* Thickness round eye hole *shrunk*  
as per Rule *As approved* as fitted *62 7/8* as per Rule *As approved* as fitted *62 7/8*  
Intermediate Shafts, diameter as per Rule *As approved* as fitted *62 7/8* General armature, moment of inertia (16 m<sup>2</sup> or Kg.-cm.<sup>2</sup>) *1000*  
to prevent racing of the engine when declutched *Yes* Means of lubrication *forced* Kind of damper if fitted *None*  
fitted with safety valves *No* Are the exhaust pipes and silencers water cooled or lagged with non-conducting material *Yes*  
connect pumps, No. *1 Plunger 55 x 20 7/8* Is the sea suction provided with an efficient strainer which can be cleared within the vessel *Yes*  
Tub pumps, No. and size *1. 4 in. 1. 3 in.* Is the sea suction provided with an efficient strainer which can be cleared within the vessel *Yes*  
g down *Hot fitted* No. of stages *1* Diameters *1. 4 in. 1. 3 in.* Stroke *1. 4 in. 1. 3 in.* Driven by *Hot fitted*  
g cor pumps, No. *1* Diameter *1. 4 in. 1. 3 in.* Stroke *1. 4 in. 1. 3 in.* Driven by *Hot fitted*  
tion RS:—Have they been made under Survey *Hot supplied* State No. of Report or Certificate *Hot supplied*  
cation ich can be isolated, fitted with a safety valve as per Rule *Hot supplied*  
on m rfaces of the receivers be examined *Hot supplied* What means are provided for cleaning their inner surfaces *Hot supplied*  
ingement fitted at the lowest part of each receiver *Hot supplied*  
Receivers, No. *1* Cubic capacity of each *1. 4 in. 1. 3 in.* Internal diameter *1. 4 in. 1. 3 in.* thickness *1. 4 in. 1. 3 in.*  
l or riveted longitudinal joint *Hot supplied* Material *Hot supplied* Range of tensile strength *Hot supplied* Working pressure by Rules *Hot supplied*  
ers, No. *1* Total cubic capacity *1. 4 in. 1. 3 in.* Internal diameter *1. 4 in. 1. 3 in.* thickness *1. 4 in. 1. 3 in.*  
or riveted longitudinal joint *Hot supplied* Material *Hot supplied* Range of tensile strength *Hot supplied* Working pressure by Rules *Hot supplied*  
comp VERATORS:—Type *Existing, engine only supplied*  
ly volts. Full Load Current *Existing, engine only supplied* Amperes. Direct or Alternating Current *Existing, engine only supplied*  
t system, state the periodicity *Existing, engine only supplied* Has the Automatic Governor been tested and found as per Rule when full load is suddenly thrown *Existing, engine only supplied*  
Generators, are they compounded as per Rule *Existing, engine only supplied* is an adjustable regulating resistance fitted in series with each shunt field *Existing, engine only supplied*  
ossible, clearly marked, and furnished with sockets *Existing, engine only supplied* Are they so spaced *Existing, engine only supplied*  
cannot be accidentally earthed, short circuited, or touched *Existing, engine only supplied* Are the lubricating arrangements of the generators as per Rule *Existing, engine only supplied*  
under 100 kw. full load rating, have the makers supplied certificates of test *Existing, engine only supplied* and do the results comply with the requirements *Existing, engine only supplied*  
100 kw. or over have they been built and tested under survey *Existing, engine only supplied*  
achinery other than generator *Existing, engine only supplied*  
ved plans forwarded herewith for Shafting *Existing, engine only supplied* Receivers *Existing, engine only supplied* Separate Tanks *Existing, engine only supplied*  
ion characteristics if applicable been approved *Hot applicable* (state date of approval) Armature shaft Drawing No. *Hot applicable*

For & on behalf of  
THE NEWBURY DIESEL Co. LTD.

*Manufacturer.*



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Lloyd's Register  
Foundation

004374-004381-0248



Dates of Survey while building { During progress of work in shops - - 18. 11. 48 8. 7. 49 8. 9. 49  
During erection on board vessel - - -  
Total No. of visits 3 (In shops) 24. 11. 49

Dates of Examination of principal parts—Cylinders 18. 11. 48 Covers 18. 11. 49 Pistons 18. 11. 48 Piston rods  
Connecting rods 18. 11. 48 Crank and Flywheel shafts 8. 7. 49 Intermediate shafts

Crank shaft { Material S. M. Steel Tensile strength 33.6 Tons sq in  
Elongation 31.0% Identification Marks T.D.S. 180 29. 6. 46  
Flywheel shaft, Material 25 T.P.S. 20 tons diam 18 inch Identification Marks

Identification marks on Air Receivers Not supplied

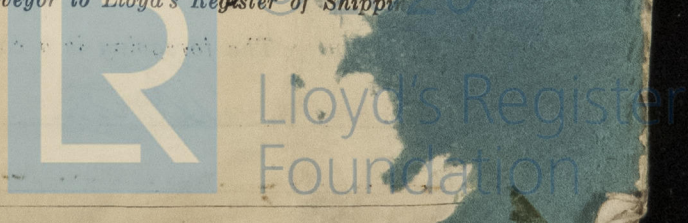
Is this machinery duplicate of a previous case If so, state name of vessel

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This engine has been built under survey in accordance with the approved plans & the Requirements of the Rules. Steel used in its manufacture has been made at works approved by the Committee under the supervision of their surveyors. The workmanship is good & the engine in my opinion eligible to be included in the L.M.C. of the vessel in which when satisfactorily installed & tested with its generator.

The amount of Fee ... £ 4 : 0 : 0 When applied for 6 Dec 1949  
Travelling Expenses (if any) £ : 12 : 0 When received 19

Committee's Minute TUES. 3 JAN 1950  
Assigned See Lon 119096

a. c. Widdowson  
Surveyor to Lloyd's Register of Shipping



501.148.-T. (MADE AND PRINTED IN ENGLAND)  
(The Surveyors are requested not to write on or below the space for Committee Minute.)