

workma
as fu
by at
No. of visits
On vessel
Received London
In shops
Port
First date
Last date
No. 136520.
19th September 1957.
16.8.57
19th September 1957.
20th September 1957.
Stanford, Sines

ST ENTRY REPORT ON INTERNAL COMBUSTION MACHINERY

Name
Gross tons
Managers
Port of Registry
Year Month
By
Yard No.
When
By
Eng. No.
When
By
Blr. Nos.
When
By
When
s of restricted service of ship, if limited for classification
s of vegetable or similar cargo oil notation, if required
be classed for navigation in ice?
Is ship intended to carry petroleum in bulk?
If so, is it for cargo purposes?
Type of refrigerant
Is the refrigerated cargo installation intended to be classed?
rigerating machinery compartment isolated from the propelling machinery space?
wing particulars should be given as fully and as clearly as possible. Where the answer is "No" or "None", say so! Ticks and other signs of doubtful meaning are not to be used. Where the is not applicable to the installation, a black line may be inserted. If the main engines have been constructed at another port and are covered by a separate report, the particulars given in that ed not be repeated below, but the port and report number should be stated.

No. of propellers
Brief description of propulsion system
RECIPROCATING ENGINES. Licence Name and Type No.
cylinders per engine
Dia. of cylinders
strokes
2 or 4 stroke cycle
Single or double acting
m approved BHP per engine
RPM of engine and
RPM of propeller.
ending MIP
Maximum cylinder pressure
Machinery numeral
cylinders arranged in Vee or other special formation?
If so, number of crankshafts per engine

STROKE ENGINES. Is the engine of opposed piston type?
If so, how are upper pistons connected to crankshaft?
No. and type of mechanically driven scavenge pumps or blowers per
No. of exhaust gas driven blowers per engine
Where exhaust gas driven blowers only are fitted, can the engine operate with one blower out of action?
No. of scavenge air coolers
Scavenge air pressure at full
nd-by or emergency pump or blower is fitted, state how driven
Are scavenge manifold explosion relief valves fitted?

STROKE ENGINES. Is the engine supercharged?
Are the undersides of the pistons arranged as supercharge pumps?
No. of supercharge air coolers per engine
Supercharge air pressure
Can engine operate without supercharger?

& FOUR STROKE ENGINES—GENERAL. No. of valves per cylinder: Fuel
Inlet
Exhaust
Starting
Safety
Material of piston crowns
Is the engine equipped to operate on heavy fuel oil?
Overall diameter of piston rod for double acting engines

Is welded construction employed for: Bedplate?
Frames?
Entablature?
Is the crankcase separated from the
No. and total area of explosion relief

Is the engine of crosshead or trunk piston type?
Total internal volume of crankcase
No. and total area of explosion relief
Are flame guards or traps fitted to relief devices?
Is the crankcase readily accessible?
If not, must the engine be removed for
How is the engine started?

Is the engine secured directly to the tank top or to a built-up seating?
If not, how is reversing obtained?
How long at full power?
State barred speed range(s), if imposed

Is a governor fitted?
Is a torsional vibration damper or detuner fitted to the shafting?
No. of main bearings
Are main bearings of ball or roller

Distance between inner edges of bearings in way of crank(s)
Distance between centre lines of side cranks or eccentrics of opposed piston engines
Crankshaft type: Built, semi-built, solid. (State which)
Diameter of crankpins
Centre
Side
Breadth of webs at mid-throw
Axial thickness of webs

Are dowel pins fitted?
Crankshaft material
Pins
Journals
Webs
Minimum
Approved
Tensile strength

Weight
Are balance weights fitted?
Total weight
Radius of gyration
Minimum approved tensile strength

Wheel shaft: separate, integral with crankshaft, integral with thrustshaft. (State which)
Integral with crankshaft

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GENERAL REMARKS

State if the machinery has been constructed and/or installed under special survey in accordance with the Rules, approved plans and Secretary's letters. State quality of materials and work recommendations for classification, including any special notation to be assigned. Where existing machinery is submitted for classification the circumstances should be explained as

This engine, WORKS ORDER NO BM 90273 P, has been built under SPECIAL SURVEY in accordance with APPROVED PLANS and RULES OF THE SOCIETY, from materials manufactured under the SUPERVISION of SURVEYORS to the SOCIETY; WORKMANSHIP throughout is good. SUBJECT to the normal vibration characteristics of the dynamic system engine, line shafting and propeller being submitted to and approved by the SOCIETY the engine is eligible to be fitted to a classed vessel in my opinion.

W. W. S. S. S.

Engine Surveyor to Lloyd's Register

PARTICULARS OF IDENTIFICATION MARKS ((Including Port of origin) of important Forgings and Castings. (Copies of certificates should be forwarded with report.)

RODS 2623K 207; 2623K 234; S. 6; 36666K 214; 207/36666K 187, all stamped W.W. LON. 22. 8. 57 covered by batch certificates: - LDS. C 28449; C 28770; C 28447; C 28069; + BIR: C 2490
CRANKSHAFT OR ROTOR SHAFT 762901 8660/ W. S. W.W. 567 AUG. LON: 16. 8. 57.

FLYWHEEL SHAFT

THRUST SHAFT

GEARING

INTERMEDIATE SHAFTS

SCREW AND TUBE SHAFTS

PROPELLERS

OTHER IMPORTANT ITEMS by cylinder block, liners & heads, Lloyd's test 100 lbs. W.W. LON. 16. 8. 57

Is the installation a duplicate of a previous case?

If so, state name of vessel

Date of approval of plans for crankshaft

Straight shafting

Gearing

Clutch

Separate oil fuel tanks

Pumping arrangements

Oil fuel arrangements

Cargo oil pumping arrangements

Air receivers

Donkey boilers

Dates of examination of principal parts:—

Fitting of stern tube

Fitting of propeller

Completion of sea connections

Alignment of crank shaft in main bearings

Engine chocks & bolts

Alignment of gearing

Alignment of straight shafting

Testing of pumping arrangements

Oil fuel lines

Donkey boiler supports

Steering machinery

Windlass

Date of Committee

Special Survey Fee £2917/6

Decision

Expenses

£516/-

Date when A/c rendered

7. OCT 1957



Lloyd's Register Foundation