

REPORT ON AUXILIARY INTERNAL COMBUSTION RECIPROCATING ENGINES

-6. MAY 1966

FOR CONSIDERATION BY THE COMMITTEE OF LLOYD'S REGISTER OF SHIPPING

Ship's Name (or contract No.) m.s. "ALTEFAHR".

Port Groningen

Gross tons 299.43 Date of completing rpt. 30-4-66

Rpt. No. 4017d

Place of survey, if different from above Martenshoek

No. of visits
in shops/ 2
+ on board.

First date 27-10-65

Last date 18-11-65

Ship built by Scheepswerf Hooezand N.V.

Yard No. 128

Aux. engines
made by VEB Dieselmotorenwerk Leipzig.

Eng. No. 21422 When 1965

Fee no fee charged.

Expenses -

Description (including
type name)

2 NVD 18.

No. of sets one

No. of cylinders, each engine	2	No. of exhaust gas driven blowers/ superchargers, each engine	none	
Dia. of cylinders	125 mm.	Is welded construction used for	Bedplate?	no.
Stroke	180 mm.		Entablature?	no.
2 or 4 stroke cycle	4	Total internal volume of crankcase, if 20 cu.ft. or over		less 20 cub.ft
Approved service B.H.P., each engine	28	Crankcase explosion relief devices	No.	none
Corresponding R.P.M.	1000		Total area	-
Corresponding M.I.P.	5.5 kg/cm ²	Are flame guards or traps fitted to relief devices?	no.	
Maximum cyl. pressure	65 kg/cm ²		Cylinders	FW
Fuel	Diesel	Cooling medium for	Pistons	-
If cylinders in vee { or other special { formation, state {	Angle of vee No. of crank- shafts, each engine		Fuel valves	-
		No. of attached pumps	F.W. COOLING one	
Is engine of opposed piston type?	no.		S.W. COOLING one	
		LUB. OIL one		
No. and type of mechanically driven scavenge pumps/blowers, each engine	none	How is engine started?	Hand and battery.	

SHAFTING

Is a damper or detuner fitted?	no.	Dia. of journals	85 mm,
Type	-	Breadth at mid-throw	125 mm.
No. of main bearings	3	Webs {	Axial thickness 36 mm.
			If shrunk, radial thickness around eyeholes -
Are bearings of ball or roller type?	plain	Flywheel {	Nominal shrinkage allowance if dowel pins are not fitted -
Distance between inner edges of bearings in way of cranks	-		Diameter 560 mm.
Is crankshaft built, semi-built or solid?	Solid		Weight 146 kg.
Material of crankshaft	SM steel.	Are balance weights fitted?	no.
Minimum approved tensile strength	-	Total weight of balance weights	-
		Radius of gyration	-
Dia. of crankpins	78 mm.	Dia. of flywheel shaft	-

NOTE:—The particulars in this report are to 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. Wording not applicable to be cancelled.

Has each engine been tested in the shop? acc.cert.yes Was it tested with driven machinery attached? yes
How long at full power? 5 hours. Was the governing tested and found satisfactory? yes

DATE OF APPROVAL OF TORSIONAL VIBRATION CHARACTERISTICS

(If 150 B.H.P. or over) -

PARTICULARS OF DRIVEN

MACHINERY

One 20 KVA SR generator (Harbour purposes).
One Fire service pump.

PORT & No. OF CERTIFICATES
FOR STARTING AIR RECEIVERS

-

ELECTRIC GENERATORS (Copies of certificates to be forwarded)

If 100 kW or over

Port -

No. of cert. -

If less than 100 kW, have makers' certificates been supplied? yes

DECLARATION TO BE SIGNED BY ENGINE BUILDERS

To the best of our knowledge this machinery has been soundly constructed in conformity with the Rules, Regulations and requirements of Lloyd's Register of Shipping, and the foregoing particulars of auxiliary sets are correct.

(date)

(signature)

DATES OF APPROVAL OF PLANS

-

IDENTIFICATION MARKS ON
SHAFTING

-

A previous similar case was for
(name or contract No.)

M.S. "SELLIN".

Engine No.

1-21372

Rpt. No.

gro. 3072d.

The machinery reported above has been constructed under Special Survey in accordance with the Rules, approved plans and Secretary's letters. The materials and workmanship are good, the spare gear required by the Rules has been supplied and the machinery is eligible, in my opinion, to be fitted in a classed ship.

J. Baart.

Surveyor to Lloyd's Register of Shipping

DECLARATION TO BE COMPLETED AND SIGNED BY THE SURVEYOR AT THE PORT OF INSTALLATION

The above machinery has been fitted in M.S. "ALTEFAHR", Yardno. 128

at Martenshoek

in a proper manner and found satisfactory

when tested on (date)

19-2-66

under full working conditions.

J. Baart.

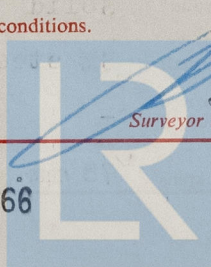
Surveyor to Lloyd's Register of Shipping

Date of Committee

Minute

FRIDAY 27 MAY 1966

See Rpt. 1.



Lloyd's Register
Foundation

Note.—Where existing machinery is submitted for classification, the circumstances are to be explained as fully as possible, and the recommendation should be suitably amended.