

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** First date **27-10-65** Last date **18-11-65**
+ on board.

Ship built by **Scheepswerf Hoogzand 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)		No. of sets		
2 NVD 18.		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	Cooling medium for	Cylinders FW	
Fuel	Diesel		Pistons	-
If cylinders in vee { Angle of vee or other special { No. of crank- formation, state { shafts, each engine	-		Fuel valves	-
Is engine of opposed piston type?	no.	No. of attached pumps	F.W. COOLING one	
No. and type of mechanically driven scavenge pumps/blowers, each engine	none		S.W. COOLING one	LUB. OIL one
		How is engine started?	Hand and battery.	

SHAFTING

Is a damper or detuner fitted?	no.	Webs {	Dia. of journals	85 mm,
Type	-		Breadth at mid-throw	125 mm.
No. of main bearings	3		Axial thickness	36 mm.
Are bearings of ball or roller type?	plain		If shrunk, radial thickness around eyeholes	-
Distance between inner edges of bearings in way of cranks	-		Nominal shrinkage allowance if dowel pins are not fitted	-
Is crankshaft built, semi-built or solid?	Solid	Flywheel {	Diameter	560 mm.
Material of crankshaft	SM steel.		Weight	146 kg.
* Minimum approved tensile strength	-	Are balance weights fitted?	no.	
Dia. of crankpins	78 mm.	Total weight of balance weights	-	
		Radius of gyration	-	
		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	<u>-</u>	If less than 100 kW, have makers' certificates been supplied?	<u>yes</u>
	No. of cert.	<u>-</u>		

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

See Rpt. 1.

FRIDAY 27 MAY 1966



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.