

C.K.

Rpt. 13 (Sheet 1)

REPORT ON ELECTRICAL EQUIPMENT

Received London

(Other than for the propulsion of the ship)

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

Ship's Name "GUANG MING"

Port ROTTERDAM

Gross tons 7.314 Date of completing rpt. 21-5-1965 Rpt. No. 60636

Place of survey, if different from above Flushing

No. of visits on ship 22 First date 21-4-1964 Last date 7-5-1965

Ship built by Koninklijke Mij. "De Schelde" Yard No. 327 When 1965 4

Electrical equip. installed by van Rietschoten & Houwens N.V., Rotterdam When 1965 4

Fee 1707.- Expenses 38250

If ship is an oil tanker, have all the special requirements of the Rules for such ships been complied with? Have test certificates for generators and essential motors been forwarded? yes

NOTE:—The particulars in this report are to be given as fully and 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.

SYSTEM OF SUPPLY		A.C. or D.C.	SYSTEM	VOLTAGE	FREQUENCY
Generation		D.C.	two wire insulated	230	
Distribution	(a) Power	D.C.	two wire insulated	220	
	(b) Heating	D.C.	two wire insulated	220	
	(c) Lighting	D.C.	two wire insulated	220	

GENERATORS	* CAPACITY	VOLTAGE	TYPE	SERIAL NO.	PRIME MOVER	POSITION IN SHIP	
Main	1	200	230	compound	1-5960-1 A3	I.C.	E.R. forward SB inboard
	2	200	230	compound	1-5960-1 A2	I.C.	E.R. aft SB inboard
	3	200	230	compound	1-5960-	I.C.	E.R. aft SB outboard
4							
5							
6							
7							
Emergency	1	15	220	compound	44092	diesel engine	emergency gen. room boatdeck
	2						
Total	615						
Special purpose	1						
	2						

Date of Committee

Minute

See Rpt. 1.



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* kW for D.C.; kVA and cos φ for A.C.

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GENERATOR MANUFACTURERS:

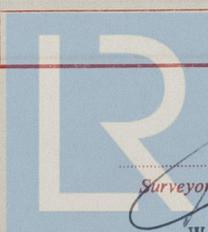
Main 1	Smit Slikkerveer	Emergency 1	Kaiser
2	Smit Slikkerveer	2	
3	Smit Slikkerveer		
4		Special purpose 1	
5		2	
6			
7			

RESULTS OF FINAL TESTS:

GENERATOR NO.	GOVERNOR REGULATION NL-FL %	COMPOUNDING 20% FL-FL (D.C. ONLY) %	VOLTAGE REGULATION NL-FL %	IS LOAD SHARING SATISFACTORY?		INSULATION RESISTANCE M Ω
				kW	kVA	
1	3.4	2.5 %	-	yes		3
2	3	2 %	-	yes		5
3	3.3	2.5 %	-	yes		5

CABLES:

	GENERATOR	MACHINERY SPACES	ACCOMMODATION	F. & A. GANGWAY (for tankers)
Type	V.C. L. Br	V.C. L. Br. Bu. P.C.P. Br.	Bu. P.C.P. Br.	
Insulation	varnished-cambric	varnished-cambric Butyl rubber	Butyl rubber	
protection sheath	cotton braiding	cotton braiding cotton braiding	cotton braiding	
sheath Protection	lead	lead P.C.P.	P.C.P.	
Outer sheath (if fitted)				

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 Surveyor to Lloyd's Register of Shipping
 W. de Jong.

Ship's Name "GUANG MING"

Port ROTTERDAM

Rpt. No. 60033

PROTECTIVE EQUIPMENT

Switchboards	LOCATION	ESTIMATED FAULT LEVEL	MAKE AND TYPE	
			CIRCUIT BREAKERS	FUSES
Main	engine room	generators:	SITELL	Siemens R 1240
	tweendeck SB	27.4 KA outgoing circuits 36.1 KA	type DM 1250	Siemens DZ III Siemens DZ II
Emergency	emergency generator room boatdeck	0.7 KA		Siemens DZ II & III
Sub-				
Section boards and distribution boards	all section and	smaller than 36.1 KA	-	Siemens R 1240
	distribution boards throughout the vessel			Siemens DZ

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

DECLARATION TO BE SIGNED BY ELECTRICAL CONTRACTORS

- (1) To the best of our knowledge this electrical equipment has been installed in conformity with the Rules, Regulations and requirements of Lloyd's Register of Shipping.
- (2) All cables are guaranteed to have been tested at the manufacturers' works to the following standard: Sterling cables in accordance with BS 883
Draka cables in accordance with approved NEC standards.
- (3) The foregoing particulars of electrical equipment (as shown on Sheets 1 and 2) are correct

Van Rietschoten & Houwens' N.V.
W. v. ECHHOYDSTRAAT 26
P.O. POSTBUS 6025
ROTTERDAM ZUID

(date) 26/5/65

(signature)

PLANS

Date(s) of approval 8-2-1965

Do the plans indicate dimensions of cables and loading of all important circuits? yes

A previous similar case was for Ship's Name

Rpt. No.

The electrical equipment reported above has been constructed in conformity with Rule requirements and installed under Special Survey in accordance with the Rules, approved plans and Secretary's letters. The materials and workmanship are good, and the electrical installation is suitable, in my opinion, for a classed ship.



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