



AMERICAN BUREAU OF SHIPPING

Customer Name	ABB GENERATORS LTD.	Purchase Order No.	
Attending Office	Nanjing	Report Number	NJ3230569
First Visit Date	10-Nov-2016	Last Visit Date	15-Mar-2017

Certification Of: One (1) Generator 1
Manufacturer: ABB GENERATORS LTD. **Quantity:** One(1)

Survey Location: Nanchang , P.R.China

Equipment Data

Manufacturer Number(S. No.)	8810088
Model Number	AMG 0450BB04 DAPM
Destination Vessel (Class Number)	YY267436
Builder/Shipyard	CHINA MERCHANTS HEAVY INDUSTRY (JIANGSU) CO., LTD.
Builder ID / Hull No.	CMHI-186-1
Purchaser Name	CHINA MERCHANTS HEAVY INDUSTRY (JIANGSU) CO., LTD.

Design Details

Design State	Design Approved/Reviewed
ABS Reviewing Organization	CN Shanghai ESD
Drawing Number	8AMG5895907

Additional Data

ABS Stamping	* NJ3230569-A & Serial No.
Generator Duty	Main
Rated Voltage	690 V
Rated Power	1300 kW
Rated Frequency	60 Hz
Number of Phase	Three
Rated Speed	1800 rpm
Rated Power Factor (AC Generator)	0.8
Class of Insulation (Stator Windings)	H
Type of Enclosure	IP23

This is to Certify that the undersigned surveyor(s) to this Bureau did, at the request of the customer, carry out the following survey and report as follows:

Traceability of materials used on this project has been verified.

The principal data has been verified in accordance with the applicable Rules/specifications and applicable approved plans, and confirmed to be within acceptable tolerances.

All testing (pressure/load/operational/etc.) has been carried out as applicable and verified in accordance with the applicable Rules/specifications.

Testing machines are maintained in a satisfactory condition and records of their recheck or calibration dates confirmed.

Subject to satisfactory installation, testing and trials after installation onboard the vessel.

Asbestos-free declaration verified and supporting documentation reviewed.

Final markings for identification confirmed.

A. Particulars of rated condition:

NOTE: This report evidences that the survey reported herein was carried out in compliance with one or more of the Rules, guides, standards or other criteria of the American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Report is a representation only that the vessel, structure, item or material equipment, machinery or any other item covered by this Report has been examined for compliance with, or has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping. The validity, applicability and interpretation of this report is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Report or in any notation made in the contemplation of this Report shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.

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Rated output : 1625 KVA

Rated voltage : 690 V

Rated current : 1359.7A

Ambient Temp. Max : 55 C

Rated Power Factor 0.8

Type of winding connection : Y

B. The Details of material for Generator Shaft pls see ABS report NX3227208-A & NX3213530-A.

C. The following tests were carried out as Routine Test, Examined and all found satisfactory. (Type test refer to WO:SQ3230601-A & NJ3230569-A). For details, refer to manufacturer's report as attached.

1. Visual inspection
2. Insulation resistance measurement
3. Winding resistance measurement
4. Air gap measurement
5. Dielectric strength test
6. Running balance test
7. Voltage regulation test
8. Bearing check after test
9. Over-current test
10. Over speed test

**Surveyor(s) to The American Bureau of Shipping
Attending Surveyors**

Zhou Yu

Electronically Signed on 16-Mar-2017

Reviewed By
Wang, Ying

Electronically Signed on 16-Mar-2017, CN Nanjing Port (MLO)

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