



DET NORSKE VERITAS

Certificate No.:
ROT-08-7615-15

CERTIFICATE FOR ELECTRIC GENERATOR

Manufacturer Dealer: Caldic Techniek BV, Rotterdam, The Netherlands.	Works order No. 581134.
	Generator type Stamford: PM734 E2.
	Serial No. C0 0242107/01.
Ordered by D.P.H. BV, Moerdijk, The Netherlands.	Order No. -
Intended for -	Yard No. -

THIS IS TO CERTIFY that the electrical Generator described below, has been built and tested in accordance with Det Norske Veritas' current Rules for Classification of "Ships / High Speed, Light Craft and Naval Surface Craft" and Det Norske Veritas' "Offshore Standard"

The test results can be seen from enclosed test report.

Generator specification	Voltage (V)	660	Power (kVA)	1690	Insulation class	H
	Frequency (Hz)	60	Power factor	0.8	Degree of protection (IP)	IP23
	Current (Amps)	1478.4	Speed (r.p.m.)	1800	Ambient temperature (°C)	45
	Type of cooling	forced air	Excitation Voltage	56	Excitation current	3.2 Amps

This column is only to be filled in when the Manufacturer or his representative is authorized by Det Norske Veritas to stamp the generator.

The undersigned authorized person declares that the generator is manufactured and tested in accordance with the conditions given in Manufacturing Survey Arrangement.

No.: _____

Quality System Certificate

Marking: _____

For the identification the generator was stamped:

by authorised person

Place: _____

Date: _____

Name: _____

(Name)

Marking:

For identification the generator was stamped

(Fill inn as applicable):

N.V.

ROT 08-7615-15

2008-05

By DNV surveyor

This product certificate is only valid when signed by a DNV surveyor:

Place: Rotterdam/Barendrecht

Date: 2008-05-26

Surveyor: _____

Jan Willem van der
* 1864 *

Remarks:

- For test report generator, see DNV witnessed and accepted EMRI report 32081011, dated 08-05-20, the following tests were carried out satisfactoty:

- Heatrun delta T = 50.28 degrees celsius.
- Megger test, high voltage test & excitation.
- No load, 50% load, 100% load, overload & overspeed.

- Charge no. shaft: T34275.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.