DNV·GL

# CERTIFICATE OF COMPLIANCE FOR AIR POLLUTION PREVENTION

DNV GL Id No:
**27172**
Date of issue:
**2015-01-28**

This Certificate is issued for the information of interested parties to indicate compliance with the provisions of the Protocol of 1997 as amended by resolution MEPC.176(58) in 2008, to amend the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 related thereto (hereinafter referred to as "the Convention")
under the authority of the Government of

## BERMUDA

by **DNV GL**

### Particulars of Ship

| | |
|---|---|
| Name of Ship: | **"BW CIDADE DE SAO VICENTE"** |
| Distinctive Number or Letters: | **ZCDS5** |
| Port of Registry: | **HAMILTON** |
| Gross Tonnage: | **72654** |
| IMO Number: | **7380693** |

### Type of ship

[-] Tanker
[X] Ship other than tanker

### This is to certify:

1. That the ship has been surveyed in accordance with regulation 5 of Annex VI of the Convention; and
2. That the survey shows that the equipment, systems, fittings, arrangements and materials fully comply with the applicable requirements of Annex VI of the Convention.

Remarks/Recommendations:

This Certificate is valid until **2019-04-03** subject to surveys in accordance with Regulation 5 of Annex VI of the Convention.

Completion date of survey on which this Certificate is based: **2014-04-09**

Issued at **Høvik, Norway** on **2015-01-28**

for **DNV GL**

**Kristin Wilhelmsen**
**Head of Section**

This certificate is issued by or on behalf of BERMUDA under the responsibility of the United Kingdom as Flag State under the Convention

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## Endorsement for annual and intermediate surveys

THIS IS TO CERTIFY:
that, at a survey required by Regulation 5 of Annex VI of the Convention, the ship was found to comply with the relevant provisions of that Annex..

Annual survey: Place: _____ Date: _____

Signature: _____

Stamp Surveyor, DNV GL

Annual / Intermediate [1] survey: Place: _____ Date: _____

Signature: _____

Stamp Surveyor, DNV GL

Annual / Intermediate [1] survey: Place: _____ Date: _____

Signature: _____

Stamp Surveyor, DNV GL

Annual survey: Place: _____ Date: _____

Signature: _____

Stamp Surveyor, DNV GL

## Annual/intermediate survey in accordance with Regulation 9.8.3

THIS IS TO CERTIFY that, at an annual / intermediate [1] survey in accordance with Regulation 9.8.3 of Annex VI of the Convention, the ship was found to comply with the relevant provisions of that Annex.

Place: _____ Date: _____

Signature: _____

Stamp Surveyor, DNV GL

[1] Delete as appropriate.

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## Endorsement to extend the Certificate if valid for less than 5 years where Regulation 9.3 applies

The ship complies with the relevant provisions of the Annex, and this Certificate shall, in accordance with Regulation 9.3 of Annex VI of the Convention, be accepted as valid until:

Place: _____ Date: _____

Signature: _____

Stamp Surveyor, DNV GL

## Endorsement where the renewal survey has been completed and Regulation 9.4 applies.

The ship complies with the relevant provisions of the Annex, and this Certificate shall, in accordance with Regulation 9.4 of Annex VI of the Convention, be accepted as valid until:

Place: _____ Date: _____

Signature: _____

Stamp Surveyor, DNV GL

## Endorsement to extend the validity of the Certificate until reaching the port of survey or for a period of grace where Regulation 9.5 or 9.6 applies.

This Certificate shall, in accordance with Regulation 9.5 / 9.6 [1] of Annex VI of the Convention, be accepted as valid until:

Place: _____ Date: _____

Signature: _____

Stamp Surveyor, DNV GL

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## Endorsement for advancement of anniversary date where Regulation 9.8 applies.

In accordance with Regulation 9.8 of Annex VI of the Convention, the new anniversary date is: _____

Place: _____ Date: _____

Signature: _____

Stamp Surveyor, DNV GL

In accordance with Regulation 9.8 of Annex VI of the Convention, the new anniversary date is: _____

Place: _____ Date: _____

Signature: _____

Stamp Surveyor, DNV GL

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# SUPPLEMENT TO CERTIFICATE OF COMPLIANCE WITH MARPOL 73/78 ANNEX VI

(IAPP CERTIFICATE)

## RECORD OF CONSTRUCTION AND EQUIPMENT

In respect of the provisions of Annex VI of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto (hereinafter referred to as "the Convention").

This Record shall be permanently attached to the IAPP Certificate. The IAPP Certificate shall be available on board the ship at all times.

The Record shall be at least in English, French or Spanish. If an official language of the issuing country is also used, this shall prevail in case of a dispute or discrepancy.

Entries in boxes shall be made by inserting either a cross (x) for the answers "yes" and "applicable" or a dash (-) for the answers "no" and "not applicable" as appropriate.

Unless otherwise stated, regulations mentioned in this Record refer to regulations of Annex VI of the Convention and resolutions or circulars refer to those adopted by the International Maritime Organization.

### 1. Particulars of Ship

| | | |
|---|---|---|
| 1.1 | Name of Ship | **"BW CIDADE DE SAO VICENTE"** |
| 1.2 | IMO number | **7380693** |
| 1.3 | Date on which keel was laid or ship was at similar stage of construction | **1975-05-23** |
| 1.4 | Length of Ship [2] | **- m** |

### 2. Control of emissions from ships

### 2.1 Ozone-depleting substances (Regulation 12)

2.1.1 The following fire-extinguishing systems, other systems and equipment containing ozone-depleting substances, other than hydro-chlorofluorocarbons (HCFCs), installed before 19 May 2005 may continue in service: [-]

| System equipment | Location on board | Substance |
|---|---|---|
| | | |

2.1.2 The following systems and equipment containing hydro-chlorofluorocarbons (HCFCs) installed before 1 January 2020 may continue in service: [-]

| System equipment | Location on board | Substance |
|---|---|---|
| | | |

[2] Completed only in respect of ships constructed on or after 1 January 2016, which are specially designed, and used solely, for recreational purposes and to which, in accordance with regulation 13.5.2.1, the NOx emission limit as given by regulation 13.5.1.1 will not apply.

## 2.2 Nitrogen Oxides (NOx) (Regulation 13)

2.2.1 The following marine diesel engines with power output greater than 130 kW [3], installed on this ship comply with the applicable emission limit of Regulation 13 in accordance with the revised NOx Technical Code:

| | | Engine #1 | Engine #2 | Engine #3 | Engine #4 | Engine #5 | Engine #6 | Engine #7 |
|---|---|---|---|---|---|---|---|---|
| Manufacturer and model | | **Caterpillar, 3406C** | | | | | | |
| Serial Number | | **3ER09655** | | | | | | |
| Use | | **PS Crane** | | | | | | |
| Power Output (kW) | | **365.5** | | | | | | |
| Rated speed (rpm) | | **2100** | | | | | | |
| Date of install. (yyyy-mm-dd) | | | | | | | | |
| Date of major conversion (yyyy-mm-dd) | Acc. to reg. 13.2.2 | **2009-04-03** | | | | | | |
| | Acc. to reg. 13.2.3 | | | | | | | |
| Exempted by reg. 13.1.1.2 | | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Tier I Reg. 13.3 | | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Tier II Reg. 13.4 | | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Tier II Reg. 13.2.2. or 13.5.2 | | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Tier III Reg 13.5.1.1 | | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Approved Method exists | | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Approved Method not commercially available | | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Approved Method installed | | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |

## 2.3 Sulphur Oxides ($SO_x$) and particulate matter (Regulation 14)

2.3.1 When the ship operates outside of an Emission Control Area specified in regulation 14.3, the ship uses:

2.3.1.1 fuel oil with a sulphur content as documented by bunker delivery notes that does not exceed the limit value of:

- 4.50% m/m (not applicable on or after 1 January 2012); or [-]
- 3.50% m/m (not applicable on or after 1 January 2020); or [X]
- 0.50% m/m, and/or [X]

2.3.1.2 an equivalent arrangement approved in accordance with regulation 4.1 as listed in 2.6 that is at least as effective in terms of $SO_x$ emission reductions as compared to using a fuel oil with a sulphur content limit value of:

- 4.50% m/m (not applicable on or after 1 January 2012); or [-]
- 3.50% m/m (not applicable on or after 1 January 2020); or [-]
- 0.50% m/m [-]

2.3.2 When the ship operates inside an Emission Control Area specified in regulation 14.3, the ship uses:

2.3.2.1 fuel oil with a sulphur content as documented by bunker delivery notes that does not exceed the limit value of:

- 1.00% m/m (not applicable on or after 1 January 2015); or [X]
- 0.10% m/m, and/or [X]

2.3.2.2 an equivalent arrangement approved in accordance with regulation 4.1 as listed in 2.6 that is at least as effective in terms of $SO_x$ emission reductions as compared to using a fuel oil with a sulphur content limit value of:

- 1.00% m/m (not applicable on or after 1 January 2015); or [-]
- 0.10% m/m [-]

3 Note that Reg.13 is not applicable for lifeboat engines, emergency diesel generators and emergency fire pump diesel engines.

**2.4 Volatile organic compounds (VOCs) (Regulation 15)**

| | | |
|---|---|---|
| 2.4.1 | The tanker has a vapour collection system installed and approved in accordance with IMO MSC/Circ.585 [4]: | - |
| 2.4.2.1 | For a tanker carrying crude oil, there is an approved VOC Management Plan | - |
| 2.4.2.2 | VOC Management Plan approval reference: - | - |

**2.5 Shipboard Incineration (Regulation 16)**

| | | |
|---|---|---|
| 2.5.1 | The ship has an incinerator: | |
| 2.5.1.1 | installed on or after 1 January 2000 which complies with resolution MEPC.76(40) as amended | - |
| 2.5.1.2 | installed before 1 January 2000 which | |
| 2.5.1.2.1 | complies with resolution MEPC.59(33) | - |
| 2.5.1.2.2 | complies with resolution MEPC.76(40) | - |
| 2.5.1.2.3 | does not comply with resolution MEPC.59(33) or resolution MEPC.76(40) | - |

**2.6 Equivalents (Regulation 4)**

The ship has been allowed to use the following fitting, material, appliance or apparatus to be fitted in a ship or other procedures, alternative fuel oils, or compliance methods used as an alternative to that required by this Annex:

| System or equipment | Equivalent used | Approval reference |
|---|---|---|
| | | |

Remarks / Supplementary information:

THIS IS TO CERTIFY that this Record is correct in all respects.

Issued at Høvik, Norway on 2015-01-28

for **DNV GL**

**Georgios Eleftheriadis**
**Surveyor**

4 Ships with DNV GL Class notation VCS-1 or VCS-2 (compliance with USCG CFR 46 Part 39) comply with IMO MSC/Circ.585.