



# INTERNATIONAL AIR POLLUTION PREVENTION CERTIFICATE

Certificate No:  
**n1556952-4-skp**  
DNV Id No:  
**40133**  
Date of issue:  
**2021-09-30**

Issued under the provisions of the Protocol of 1997, as amended, 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

## THE REPUBLIC OF MALTA

by DNV

### Particulars of ship

Name of Ship:	<b>HANSEATIC SPIRIT</b>
Distinctive Number or Letters:	<b>9HA5400</b>
Port of Registry:	<b>VALLETTA</b>
Gross Tonnage:	<b>15651</b>
IMO Number:	<b>9857640</b>

### 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.

This Certificate is valid until **2026-06-28** subject to surveys in accordance with Regulation 5 of Annex VI of the Convention.

Completion date of survey on which this Certificate is based: **2021-06-28**

Issued at **Hamburg, Germany** on **2021-09-30**



for DNV

*This document is signed electronically in accordance with IMO  
FAL.5/Circ.39/Rev.2. Validation and authentication can be obtained from  
trust.dnv.com by using the Unique Tracking Number (UTN):  
n1556952-4-skp and ID: 40133*

**Claudia Ohlmeier**

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Form code: IAPP 101

Revision: 2021-03

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## Endorsement for annual and intermediate surveys

S

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: **Leixões, Portugal** Date: **2022-05-28**



Signature: **Sérgio Duarte**

Annual/Intermediate<sup>1</sup> survey: Place: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Stamp

Annual/Intermediate<sup>1</sup> survey: Place: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Stamp

Annual survey: Place: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Stamp

## Annual/intermediate survey in accordance with Regulation 9.8.3

AISA

THIS IS TO CERTIFY that, at an annual/intermediate<sup>1</sup> 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

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

EEVF

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

<sup>1</sup> Delete as appropriate.



Certificate No: **n1556952-4-skp**  
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### Endorsement where the renewal survey has been completed and Regulation 9.4 applies ERC

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

### 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 EEV

This Certificate shall, in accordance with Regulation 9.5 or 9.6<sup>1</sup> of Annex VI of the Convention, be accepted as valid until .....

Place: ..... Date: .....

Signature: .....

Stamp

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

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

Place: ..... Date: .....

Signature: .....

Stamp

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

Place: ..... Date: .....

Signature: .....

Stamp

# SUPPLEMENT TO INTERNATIONAL AIR POLLUTION PREVENTION CERTIFICATE

(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

Name of Ship:	<b>HANSEATIC SPIRIT</b>
IMO Number:	<b>9857640</b>
Date on which keel was laid or ship was at similar stage of construction:	<b>2019-03-25</b>
Length of Ship: <sup>2</sup>	<b>- m</b>

### 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
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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
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<sup>2</sup> Completed only in respect of ships constructed on or after 1 January 2016 that are specially designed, and used solely, for recreational purposes and to which, in accordance with regulation 13.5.2.1 or regulation 13.5.2.3, 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 installed on this ship are in accordance with the requirements of regulation 13, as indicated:

Applicable regulation of MARPOL Annex VI (NTC = NOX Technical Code 2008) (AM = Approved Method)		Engine #1	Engine #2	Engine #3	Engine #4	Engine #5	Engine #6
1	Manufacturer and model	Caterpillar Motoren GmbH & Co. KG 8M25E	Caterpillar Motoren GmbH & Co. KG 8M25E	Caterpillar Motoren GmbH & Co. KG 8M25E	Caterpillar Motoren GmbH & Co. KG 8M25E		
2	Serial Number	48055	48056	48057	48058		
3	Use (applicable application cycle(s) – NTC 3.2)	E2	E2	E2	E2		
4	Rated power (kW) (NTC 1.3.11)	2800	2800	2800	2800		
5	Rated speed (RPM) (NTC 1.3.12)	720	720	720	720		
6	Identical engine installed ≥ 2000-01-01 exempted by 13.1.1.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Identical engine installation date as per 13.1.1.2 (yyyy-mm-dd)						
8a	Major Conversion	13.2.1.1 & 13.2.2					
8b	(yyyy-mm-dd)	13.2.1.2 & 13.2.3					
8c		13.2.1.3 & 13.2.3					
9a	Tier I	13.3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9b		13.2.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9c		13.2.3.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9d		13.2.3.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9e		13.7.1.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10a	Tier II	13.4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10b		13.2.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10c		13.2.2 (Tier III not possible)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10d		13.2.3.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10e		13.5.2 (Exemptions)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10f		13.7.1.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11a	Tier III	13.5.1.1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11b	(ECA-NOx only)	13.2.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11c		13.2.3.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11d		13.7.1.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	AM <sup>3</sup>	installed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13		not commercially available at this survey	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14		not applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 2.3 Sulphur Oxides (SOx) 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 0.50% m/m, and/or ☒

2.3.1.2 an equivalent arrangement approved in accordance with regulation 4.1 as listed in paragraph 2.6 that is at least as effective in terms of SO<sub>x</sub> emission reductions as compared to using a fuel oil with a sulphur content limit value of 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 0.10% m/m, and/or ☒

2.3.2.2 an equivalent arrangement approved in accordance with regulation 4.1 as listed in paragraph 2.6 that is at least as effective in terms of SO<sub>x</sub> emission reductions as compared to using a fuel oil with a sulphur content limit value of 0.10% m/m ☐

2.3.3 For a ship without an equivalent arrangement approved in accordance with regulation 4.1 as listed in paragraph 2.6, the sulphur content of fuel oil carried for use on board the ship shall not exceed 0.50% m/m as documented by bunker delivery notes ☒

<sup>3</sup> Refer to the 2014 Guidelines on the approved method process (resolution MEPC.243(66)).

## 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 <sup>(4)</sup>: ☐
- 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)

The ship has an incinerator:

- 2.5.1 installed on or after 1 January 2000 which complies with:
- 2.5.1.1 resolution MEPC.76(40), as amended<sup>5</sup> ☐
- 2.5.1.2 resolution MEPC.244(66) ☒
- 2.5.2 installed before 1 January 2000 which
- 2.5.2.1 complies with resolution MEPC.59(33), as amended<sup>6</sup> ☐
- 2.5.2.2 complies with resolution MEPC.76(40), as amended<sup>5</sup> ☐
- 2.5.2.3 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
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THIS IS TO CERTIFY that this Record is correct in all respects.

Issued at **Hamburg, Germany** on **2021-09-30**



for **DNV**

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**Claudia Ohlmeier**

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

<sup>5</sup> As amended by resolution MEPC.93(45)

<sup>6</sup> As amended by resolution MEPC.92(45)