



Full Term Certificate No. **ICS-20-615**  
Interim Certificate No. **ICS-20-08-049**

## INTERNATIONAL AIR POLLUTION PREVENTION CERTIFICATE

(Note: This certificate shall be supplemented by a Record of Construction and Equipment)

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 relating thereto (hereinafter referred to as "the Convention") under the authority of the Government of:

### REPUBLICA DE PANAMA

(Full designation of the country)

By: **Intermaritime Certification Services (ICS)**

#### Particulars of ship

Name of ship: **TRITON REEFER**  
Distinctive number or letters: **3EMD9**  
IMO Number: **8911102**  
Port of registry: **PANAMA**  
Gross tonnage: **8818**

#### THIS IS TO CERTIFY:

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

This certificate is valid until: 14 of DECEMBER of 2024 <sup>(1)</sup> subject to surveys in accordance with regulation 5 of Annex VI of the Convention.  
(Day) (Month) (Year)

Completion date of the survey on which this Certificate is based: 24 SEPTEMBER 2021  
(Day, Month, Year)

Issued at: PANAMA, REPUBLICA DE PANAMA the 07 of MARCH of 2023  
(Place of issue of Certificate) (Day) (Month) (Year)



This document is signed electronically in accordance with IMO FAL 5/Circ.39/Rev2. Validation can be obtained from <https://ecerts.icsclass.org/verify> by using the Full-term number, Qr and URL.

**ENG. JOSE A. PEREZ SAMPER**

Name and Signature of authorized official issuing the certificate  
**Intermaritime Certification Services (ICS)**

Verify Online at: <https://ecerts.icsclass.org/verify/697>



(1) Insert the date of expiry as specified by the Administration in accordance with regulation 9.1 of Annex VI of the Convention. The day and the month of this date correspond to the anniversary date as defined in regulation 2.1.3 of Annex VI of the Convention, unless amended in accordance with regulation 9.8 of Annex VI of the Convention.

**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:

Anniversary date (due date): 14 DECEMBER

Range date: 14 SEPTEMBER TO 14 MARCH

**ANNUAL SURVEY:**

Authorization No. A / 21 / 281



(Seal or Stamp of the authority as appropriate)

Name: YAN FANGCAI

Signed: ELECTRONICALLY SIGNED

Surveyor to Inter maritime Certification Services  
(ICS)

Place: SHIDAO, CHINA

Date: 14 MARCH 2021

**ANNUAL/INTERMEDIATE <sup>(2)</sup> SURVEY:**

Authorization No. A / 21 / 890



(Seal or Stamp of the authority as appropriate)

Name: KANG LICHEN

Signed: ELECTRONICALLY SIGNED

Surveyor to Inter maritime Certification Services  
(ICS)

Place: ZHOUSHAN, CHINA

Date: 24 SEPTEMBER 2021

**ANNUAL/INTERMEDIATE <sup>(2)</sup> SURVEY:**

Authorization No. A / 22 / 1538



(Seal or Stamp of the authority as appropriate)

Name: KANG LICHEN

Signed: ELECTRONICALLY SIGNED

Surveyor to Inter maritime Certification Services (ICS)

Place: ZHOUSHAN, CHINA

Date: 15 NOVEMBER 2022

**ANNUAL SURVEY:**

Authorization No. A / 24 / 464

REVALID BASED ON THE  
AUTHORIZATION OF PMA



(Seal or Stamp of the authority as appropriate)

Name: KANG LICHEN

Signed: ELECTRONICALLY SIGNED

Surveyor to Inter maritime Certification Services (ICS)

Place: ZHOUSHAN, CHINA

Date: 08 APRIL 2024

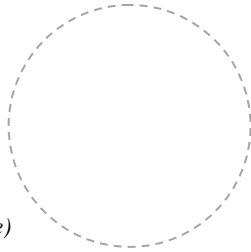
<sup>(2)</sup> Delete as appropriate

**Annual/intermediate survey in accordance with regulation 9.8.3.**

**THIS IS TO CERTIFY** that, at an annual/intermediate <sup>(2)</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:

Authorization No. A / /

*(Seal or Stamp of the authority as appropriate)*



Name: \_\_\_\_\_

Signed: \_\_\_\_\_  
Surveyor to Inter maritime Certification Services (ICS)

Place: \_\_\_\_\_

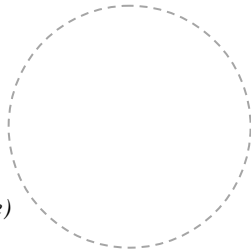
Date: \_\_\_\_\_

**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 (day, month, year): \_\_\_\_\_

Authorization No. A / /

*(Seal or Stamp of the authority as appropriate)*



Name: \_\_\_\_\_

Signed: \_\_\_\_\_  
Surveyor to Inter maritime Certification Services (ICS)

Place: \_\_\_\_\_

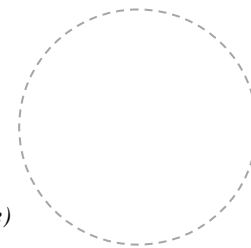
Date: \_\_\_\_\_

**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 (day, month, year): \_\_\_\_\_

Authorization No. A / /

*(Seal or Stamp of the authority as appropriate)*



Name: \_\_\_\_\_

Signed: \_\_\_\_\_  
Surveyor to Inter maritime Certification Services (ICS)

Place: \_\_\_\_\_

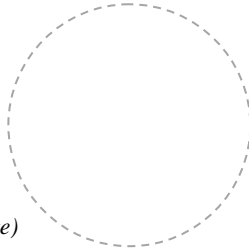
Date: \_\_\_\_\_

<sup>(2)</sup> Delete as appropriate.

**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 or 9.6 <sup>(2)</sup> of Annex VI of the Convention, be accepted as valid until (day, month, year): \_\_\_\_\_

Authorization No. A /     /



*(Seal or Stamp of the authority as appropriate)*

Name: \_\_\_\_\_

Signed: \_\_\_\_\_  
Surveyor to Inter maritime Certification Services (ICS)

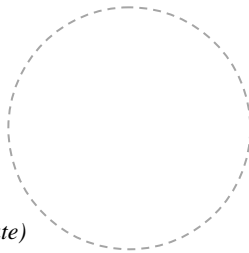
Place: \_\_\_\_\_

Date: \_\_\_\_\_

**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 (day, month): \_\_\_\_\_

Authorization No. A /     /



*(Seal or Stamp of the authority as appropriate)*

Name: \_\_\_\_\_

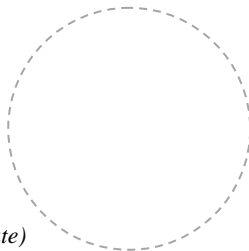
Signed: \_\_\_\_\_  
Surveyor to Inter maritime Certification Services (ICS)

Place: \_\_\_\_\_

Date: \_\_\_\_\_

In accordance with regulation 9.8 of Annex VI of the Convention, the new anniversary date is (day, month): \_\_\_\_\_

Authorization No. A /     /



*(Seal or Stamp of the authority as appropriate)*

Name: \_\_\_\_\_

Signed: \_\_\_\_\_  
Surveyor to Inter maritime Certification Services (ICS)

Place: \_\_\_\_\_

Date: \_\_\_\_\_

<sup>(2)</sup> Delete as appropriate.



# SUPPLEMENT TO INTERNATIONAL AIR POLLUTION PREVENTION CERTIFICATE (IAPP Certificate)

## Record of Construction and Equipment

### Notes:

1. This Record shall be permanently attached to the IAPP Certificate. The IAPP Certificate shall be available on board the ship at all times.
2. 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.
3. Entries in boxes shall be made by inserting either: a cross (x) for the answer “yes” and “applicable” or a dash (-) for the answers “no” and “not applicable” as appropriate.
4. 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: **TRITON REEFER**
- 1.2 IMO number: **8911102**
- 1.3 Date on which keel was laid or ship was at a similar stage of construction (dd/mm/yyyy): **05-JULY-1989**
- 1.4 Length (L) <sup>(1)</sup> metres: **N/A**

### 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 or equipment	Location on board	Substance
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- 2.1.2 The following systems containing hydro-chlorofluorocarbons (HCFCs) installed before 1 January 2020 may continue in service:

System or equipment	Location on board	Substance
CARGO REFRIGERATING SYSTEM	ENGINE ROOM	HCFC-22 (R22)
PROVISION REFRIGERATOR	ENGINE ROOM	HCFC-22 (R22)
AIR CONDITIONING UNIT	AIR CONDITIONING ROOM	HCFC-22 (R22)
AIR CONDITIONER FOR ENGINE CONTROL ROOM	ENGINE CONTROL ROOM	HCFC-22 (R22)

<sup>(1)</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 NO<sub>x</sub> emission limit as given by regulation 13.5.1.1 will not apply.

- **Nitrogen oxides (NO<sub>x</sub>) (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 = NO <sub>x</sub> Technical Code 2008) (AM = approved method)		Engine #1	Engine #2	Engine #3	Engine #4	Engine #5	Engine #6
1	Manufacturer and model	--	--	--	--	--	--
2	Serial number	--	--	--	--	--	--
3	Use (applicable application cycle(s) – NTC 3.2)	--	--	--	--	--	--
4	Rated power (kW) (NTC 13.11)	--	--	--	--	--	--
5	Rated speed (rpm) (NTC 13.12)	--	--	--	--	--	--
6	Identical engine installed ≥ 1/1/2000 exempted by 13.1.1.2	--	--	--	--	--	--
7	Identical engine installation date (dd/mm/yyyy) as per 13.1.1.2	--	--	--	--	--	--
8a	Major conversion (dd/mm/yyyy)	--	--	--	--	--	--
8b		--	--	--	--	--	--
8c		--	--	--	--	--	--
9a	Tier I	--	--	--	--	--	--
9b		13.2.2	--	--	--	--	--
9c		13.2.3.1	--	--	--	--	--
9d		13.2.3.2	--	--	--	--	--
9e		13.7.1.2	--	--	--	--	--
10a	Tier II	13.4	--	--	--	--	--
10b		13.2.2	--	--	--	--	--
10c		13.2.2 (Tier III not possible)	--	--	--	--	--
10d		13.2.3.2	--	--	--	--	--
10e		13.5.2 (Exemptions)	--	--	--	--	--
10f		13.7.1.2	--	--	--	--	--
11a	NO <sub>x</sub> Tier III Emission Control Areas	13.5.1.1	--	--	--	--	--
11b		13.2.2	--	--	--	--	--
11c		13.2.3.2	--	--	--	--	--
11d		13.7.1.2	--	--	--	--	--
12	AM <sup>(2)</sup>	installed	--	--	--	--	--
13		not commercially available at this survey	--	--	--	--	--
14		not applicable	--	--	--	--	--

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

<b>2.3</b>	<b>Sulphur oxides (SO<sub>x</sub>) and particulate matter (regulation 14).</b>	
2.3.1	When the ship operates outside of an emission control area specified in regulation 14.3, the ship uses:	
.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	X
.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:	
.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	X
.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.	X
2.3.4	The ship is fitted with designated sampling point(s) in accordance with regulation 14.10 or 14.11.	--
2.3.5	In accordance with regulation 14.12, the requirement for fitting or designating sampling point(s) in accordance with regulation 14.10 or 14.11 is not applicable for a fuel oil service system for a low-flashpoint fuel for combustion purposes for propulsion or operation on board the ship.	--
<b>2.4</b>	<b>Volatile organic compounds (VOCs) (regulation 15).</b>	
2.4.1	The tanker has a vapour collection system installed and approved in accordance with MSC/Circ.585.	--
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:	
	<b>Approval certificate number</b>	<b>Approved by</b>
	--	--
		<b>Date of approval</b>
		--
<b>2.5</b>	<b>Shipboard incineration (regulation 16).</b>	
	The ship has an incinerator:	
2.5.1	installed on or after 1 January 2000 that complies with:	
.1	Resolution MEPC.76(40), as amended by resolution MEPC.93(45).	--
.2	Resolution MEPC.244(66).	--
2.5.2	installed before 1 January 2000 which complies with:	
.1	Resolution MEPC.59(33), as amended by resolution MEPC.92(45).	--
.2	Resolution MEPC.76(40), as amended by resolution MEPC.93(45).	--
<b>2.6</b>	<b>Equivalents (regulation 4).</b>	
	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:	
	<b>System or equipment</b>	<b>Approval reference</b>
	--	--

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

Issued at: PANAMA, REPUBLICA DE PANAMA the 07 of MARCH of 2023  
(Place of issue of the Record) (Day) (Month) (Year)



This document is signed electronically in accordance with IMO FAL 5/Circ.39/Rev2.  
Validation can be obtained from <https://ecerts.icsclass.org/verify> by using the Full-term number, Qr and URL.

**ENG. JOSE A. PEREZ SAMPER**

Name and Signature of duly authorized official issuing the Certificate  
**Intermaritime Certification Services (ICS)**

Verify Online at: <https://ecerts.icsclass.org/verify/697>



Note: This Record is amended in accordance with Resolution MEPC.328(76).