

INTERNATIONAL AIR POLLUTION PREVENTION CERTIFICATE

No. 65900-V049-003

Note: This Certificate shall be supplemented by a Record of Construction and Equipment



RINA No. 65900

issued under 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 the

Republic of Cyprus

by

RINA SERVICES S.p.A.

Name of ship	Distinctive number or letters	Gross tonnage
ANGELO B	5BKP4	1469

Port of registry	IMO Number ¹
LIMASSOL	8515673

THIS IS TO CERTIFY:

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

Completion date of the survey on which this certificate is based:

16 June 2020

¹ In accordance with the IMO Ship Identification Number Scheme, adopted by the Organization by resolution A.600(15).

This Certificate is valid until: **31 May 2025**¹

subject to surveys in accordance with Regulation 5 of Annex VI of the Convention.

Issued at: **VENEZIA**

on **24 January 2022**




Ballarin Lino
RINA SERVICES S.p.A.

¹ Insert the date of expiry as specified by the Administration in accordance with regulation 9(1) of Annex V1 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 the Convention.

Annual survey	Signature and seal
Place	
Date	
Annual survey / Intermediate survey (*)	Signature and seal
Place ZADAR	 Hausknecht Josip Marine Surveyor 334 
Annual survey / Intermediate survey (*)	Signature and seal
Place RAVENNA	 Giuseppe Staiano Marine Surveyor RINA Services S.p.A. 34418 
Annual survey	Signature and seal
Place	
Date	

(*) Delete as appropriate

Annual/Intermediate Survey in accordance with Regulation 9.8.3

THIS IS TO CERTIFY that, at an Annual / Intermediate (*) 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	Signature and seal
Date	

Endorsement to extend the certificate if valid for less than 5 years where regulation 9.3 applies

This 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	Signature and seal
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 V1 of the Convention, be accepted as valid until

Place	Signature and seal
Date	

(*) 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 / 9.6 (*) of Annex V1 of the Convention, be accepted as valid until

Place	Signature and seal
Date	

Endorsement for advancement of anniversary date where regulation 9.8 applies

In accordance with regulation 9.8 of Annex 1 of the Convention, the new anniversary date is

Place	Signature and seal
Date	

In accordance with regulation 9.8 of Annex 1 of the Convention, the new anniversary date is

Place	Signature and seal
Date	

(*) Delete as appropriate

SUPPLEMENT TO THE INTERNATIONAL AIR POLLUTION PREVENTION CERTIFICATE

No. 65900-V049-003 - R

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 If the language of the original Record is not English, French or Spanish, the text shall include a translation into one of these languages
 - 3 Entries in boxes shall be made by inserting either a cross (x) for the answer "yes" and "applicable" or a dash (-) for the answer "no" and "not applicable" as appropriate.
 - 4 Regulation mentioned in this Record refer to regulations of Annex VI of the Convention and resolutions refer to those adopted by the International Maritime Organization.

1 Particulars of ship

- 1.1 Name of ship
- 1.2 Distinctive number or letters
- 1.3 Date on which keel was laid or ship was at similar stage of construction
- 1.4 Length (L) metres ¹

RINA No. 65900

ANGELO B

5BKP4

1985

2 Control of emission 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, installed before 19 May 2005 may continue in service:

System or equipment	Location on board	Substance

- 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

¹ 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
Manufacturer and model		Cummins Engine Company, Inc - KTA50 M2	Cummins Engine Company, Inc - KTA50 M2				
Serial number		33159910	33158596				
Use (applicable application cycle(s) NTC 3.2) (*)		E3	E3				
Rated Power (kW) (NTC 1.3.11)		1194	1194				
Rated speed (rpm) (NTC 1.3.12)		1800	1800				
Identical engine installed >= 1/1/2000 exempted by 13.1.1.2		☐	☐	☐	☐	☐	☐
Identical engine installation date (dd/mm/yyyy) as per 13.1.1.2		-	-				
Date of major conversion (dd/mm/yyyy)	Reg. 13.2.1.1 & 13.2.2	04/08/2006	04/08/2006				
	Reg. 13.2.1.2 & 13.2.3	-	-				
	Reg. 13.2.1.3 & 13.2.3	-	-				
Tier I	Reg. 13.3	☒	☒	☐	☐	☐	☐
	Reg. 13.2.2	☐	☐	☐	☐	☐	☐
	Reg. 13.2.3.1	☐	☐	☐	☐	☐	☐
	Reg. 13.2.3.2	☐	☐	☐	☐	☐	☐
Tier II	Reg. 13.4	☐	☐	☐	☐	☐	☐
	Reg. 13.2.2	☐	☐	☐	☐	☐	☐
	Reg. 13.2.2 (Tier III not possible)	☐	☐	☐	☐	☐	☐
	Reg. 13.2.3.2	☐	☐	☐	☐	☐	☐
	Reg. 13.5.2 (Exemptions)	☐	☐	☐	☐	☐	☐
	Reg. 13.7.1.2	☐	☐	☐	☐	☐	☐
Tier III (ECA-NOx only)	Reg. 13.5.1.1	☐	☐	☐	☐	☐	☐
	Reg. 13.2.2	☐	☐	☐	☐	☐	☐
	Reg. 13.2.3.2	☐	☐	☐	☐	☐	☐
	Reg. 13.7.1.2	☐	☐	☐	☐	☐	☐
AM(**)	Installed	☐	☐	☐	☐	☐	☐
	Not commercially available at this survey	☐	☐	☐	☐	☐	☐
	Non Applicable	☐	☐	☐	☐	☐	☐

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 in paragraph 2.6 that is at least as effective in terms of SOX emission reductions as compared to using a fuel oil with a sulphur content limit value of:

0.50% m/m, and/or



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 2.6 that is at least as effective in terms of SOX emission reductions as compared to using a fuel oil with a sulphur content limit value of:

0.10% m/m and/or



- 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.



2.4 Volatile organic compounds (VOCs) (regulation 15)

- 2.4.1 The tanker has a vapor collection system installed and approved in accordance with MSC/Circ.585



- 2.4.1.1 For a tanker carrying crude oil, there is an approved VOC Management Plan



- 2.4.1.2 VOC Management Plan approval references:

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 amended²



- 2.5.1.2 resolution MEPC.244(66)



- 2.5.2 installed before 1 January 2000 which complies with:

- 2.5.2.1 resolution MEPC.59(33) as amended³



- 2.5.2.2 resolution MEPC.76(40) as amended²



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

THIS IS TO CERTIFY that this record is correct in all respects.Issued at: **VENEZIA**on **24 January 2022**

Ballarin Lino

RINA SERVICES S.p.A.

Use(*)	
E2	For constant speed marine engines for ship main propulsion, including diesel electric drive and variable pitch propeller
E3	For propeller law operated main and propeller law operated auxiliary engines
D2	For constant speed auxiliary engines
C1	For variable speed, variable load auxiliary engines, not included above

** Refer to guidelines on the approved method process (resolution MEPC.243(66))

2 As amended by resolution MEPC.93(45)

3 As amended by resolution MEPC.92(45)

