



CERTIFICATE NUMBER
15-LD1439867-PDA

DATE
26 Nov 2015

ABS TECHNICAL OFFICE
London Engineering Department

CERTIFICATE OF DESIGN ASSESSMENT

This is to certify that a representative of this Bureau did, at the request of
OCENCO INCORPORATED

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product: **Emergency Escape Breathing Device (EEBD)**

Model: **M-20.2 EEBD**


This Product Design Assessment (PDA) Certificate 15-LD1439867-PDA, dated 26/Nov/2015 remains valid until 25/Nov/2020 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING


Serkan Balakan
Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-A/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).



Tier: 3 - Type Approved, unit certification not required

Product: Emergency Escape Breathing Device (EEBD)

Model: M-20.2 EEBD

Intended Service:

Intended to provide the user respiratory protection against hazardous atmospheres while escaping to an area of safety.

Description:

The M-20.2 EEBD is a belt wearable, compressed oxygen, closed circuit emergency breathing device

Rating:

NIOSH 10 Minute approved self contained, self rescuer. Approval Number TC-13F-386. ISO 23269-1:2008 15 minute rated duration.

Service Restriction:

Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

- 1) Not intended for use in fire fighting fires, entering oxygen deficient voids or tanks, or worn by firefighters..
- 2) 15 Year Service Life.
- 3) Visual inspection per M-20.2 EEBD Instruction Manual.

Comments:

Manufacturer's trademark and serial number, shelf life with accompanying manufacture date and name of approving authority are printed on each EEBD. Maintenance requirements are listed in the M-20.2 EEBD Instruction Manual. Hydrostatic testing of the cylinder is not required in service.

Notes/Drawing/Documentation:

Drawing No. Advanced Packaging Test Report Sep 8 1997, Revision: -

Drawing No. M-20-2 Donning Test - EC 2 3 2, Revision: -

Drawing No. M-20-2 Environmental Conditioning and Sinusoidal Vibration Test 2010, Revision: -

Drawing No. N22003, N20.2 Main Assembly, Revision: L

Drawing No. Test Report 9509-2 September 3 1997, Revision: -

Terms of Validity:

This Product Design Assessment (PDA) Certificate 15-LD1439867-PDA, dated 26/Nov/2015 remains valid until 25/Nov/2020 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

STANDARDS

ABS Rules:

The Rules for Conditions of Classification, Part 1 2015 Steel Vessel Rules 1-1-4/7.7, 1-1-A3, 1-1-A4



Tier: 3 - Type Approved, unit certification not required

National:

USCG 42 CFR, Part 84.

International:

Conforms to Council Directive 89/686/EEC relating to personal protective equipment when assessed and examined against harmonised standard EN400 (1993) SOLAS 1974 Chapter II-2/13.3.4, II-2/13.4.3; ISO 23269-1:2008 Emergency Escape Breathing Devices (EEBD) for Shipboard Use.

Government:

NA

EUMED:

NA

OTHERS:

IMO Resolution MSC.98 (73) Chapter 3.2.2 (FSS Code), IMO Resolution MSC/Circ.849. ISO 23269-1:2008, 1993 IGC Code Ch.14, Section 4, 1998 IBC Code Ch.14, Section 2

EC Type Examination Certificate

Notified Body 0729

This is to certify that ABS Europe Ltd., as a Notified Body under the authorization of UK MCA by Merchant Shipping Equipment Regulation, SI 1999, Number 1957 and M Notice Number 1734, as amended, did undertake the relevant type examination procedure of the product listed and same was found to be in compliance with the provisions of these Regulations and EU Directive 96/98/EC of 20 December 1996 as amended by EU Directive 2014/93/EU

ANNEX A.1 ITEM NUMBER: A.1/3.41

CERTIFICATE NUMBER: 07-HS280652-3-EC

APPLICANT: Ocenco Incorporated

PLANT LOCATION: Pleasant Prairie, Wisconsin, USA

PORT OFFICE: Sturgeon Bay

PRODUCT DESIGNATION: Emergency Escape Breathing Device (EEBD)

M-20.2

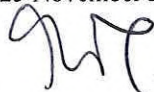
STANDARDS AND REGULATIONS: Reg. II-2/13.3.4, II-2/13.4.3 of SOLAS 1974 as amended
IMO Resolution MSC.98 (73) Chapter 3.2.2 (FSS Code)
IMO Resolution MSC/Circ. 849
EN 13794 (2002)
ISO 23269-1 (2008)

THIS CERTIFICATE IS ISSUED IN COMPLIANCE WITH CONFORMITY ASSESSMENT **MODULE B** OF THE REGULATIONS AND DIRECTIVES LISTED ABOVE.

ISSUE DATE: 25 November 2015

EXPIRATION DATE: 24 November 2020

SIGNATURE:



S. Balakan

Should the specified regulations or standards be amended during the validity of this certificate, the products are to be re-approved prior to being placed on board vessels to which the amended regulations or standards apply.

This "Mark of Conformity" may only be affixed to the above equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase Module (D, E or F) of Annex B of the Directive is fully complied with and controlled by a written agreement with a Notified Body.

The attached document list forms part of this Certificate.

Attachment to Certificate No. 07-HS280652-3-EC

Certificate No.:

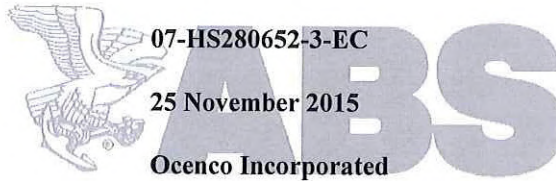
07-HS280652-3-EC

Entry Date:

25 November 2015

Name of Equipment/
Component Manufacturer:

Ocenco Incorporated
LakeView Corporate Park



Equipment/Component:

Emergency Escape Breathing Device (EEBD)

Model:

M-20.2

Description:

Belt wearable, compressed oxygen, closed circuit emergency breathing device.

Intended Service:

Intended to provide the user with respiratory protection against hazardous atmospheres while escaping to an area of safety.

Ratings:

15 minute rated duration in accordance with ISO 23269-1 (2008) and EN13794:2002

Standards:

European Union Marine Equipment Directive 96/98/EC as Amended by Directive 2014/93/EU

SOLAS 74/78 as amended, Reg. II-2/13.3.4, II-2/13.4.3
IMO Resolution MSC.98 (73) Chapter 3.2.2 (FSS Code)
IMO Resolution MSC/Circ. 849

EN 13794 (2002)
ISO 23269-1 2008

Service Restrictions:

15 Year Service Life

Comments:

Manufacturer's trademark and serial number, shelf life with accompanying manufacture date and name of approving authority are printed on each EEBD. Maintenance requirements are to be listed in the M-20.2 EEBD Instruction Manual.

Notified Body 0720



Comments:

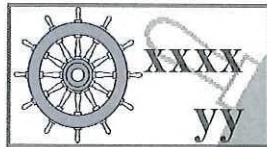


Approved in accordance with the requirements for emergency escape breathing devices (EEBD), fire protection item A.1/3.41 of the European Union Marine Equipment Directive 96/98/EC as Amended by Directive 2014/93/EU.

The "Mark of Conformity" may only be affixed to the above equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E or F) of Annex B of the Directive is fully complied with and controlled by a written agreement with a Notified Body.

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the Notified Body named on this certificate.

Example for the application of the "Mark of Conformity":



0729 Number of the Notified Body responsible for the quality surveillance module.
15 Last two digits of the year in which the mark is affixed.

Drawing Schedule:

Drawing No	Drawing Title
15-LD1439867-PDA	PRODUCT DESIGN ASSESSMENT, DATED 25 NOVEMBER 2015
N22003	MAIN ASSEMBLY DRAWING
13458	M-20.2 ENVIRONMENTAL CONDITIONING AND SINUSOIDAL VIBRATION TEST 2010
EC.2.3.2	DONNING TEST REPORT
TES/99/157	INSPEC TEST REPORT TO EN400:1993 ON OCENCO M20.2 COMPRESSED OXYGEN ESCAPE APPARATUS

Notified Body 0729



Quality Assessment Certificate

Notified Body 0729

This is to certify that ABS Europe Ltd., as a Notified Body under the authorization of UK MCA by Merchant Shipping Equipment Regulation, SI 1999, Number 1957 and M Notice Number 1734, as amended, did undertake the relevant conformity assessment of the manufacturing plant listed and same was found to be in compliance with the provisions of these Regulations and EU Directive 96/98/EC of 20 December 1996 as amended by EU Directive 2014/93/EU

CERTIFICATE NUMBER: 07-HS280652-4-MED

MANUFACTURER: Ocenco Incorporated

MANUFACTURER PLANT LOCATION: Pleasant Prairie, Wisconsin, USA

PORT OFFICE: Sturgeon Bay

REFERENCE SHOULD BE MADE TO EC TYPE EXAMINATION CERTIFICATE,
 NUMBER: See Page 2 DATED: See Page 2

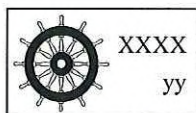
THIS CERTIFICATE IS ISSUED IN COMPLIANCE WITH CONFORMITY ASSESSMENT MODULE **D** OF THE REGULATIONS AND DIRECTIVES LISTED ABOVE.

ISSUE DATE: 25 November 2015 EXPIRATION DATE: 5 February 2020

SIGNATURE:  S. Balakan

This certificate authorizes the manufacturer or his authorized representatives, in conjunction with the EC Type Examination (Module B) Certificates listed, to affix the "Mark of Conformity".

Example for the application of the "Mark of Conformity":



0729 Number of the Notified Body responsible for the quality surveillance module.
15 Last two digits of the year in which the mark is affixed.

The manufacturer shall issue a Declaration of Conformity for each product with reference to the EC Type Examination Certificate and the Quality Assessment Certificate.

Attachment to Certificate No. 07-HS280652-4-MED

Certificate No.:

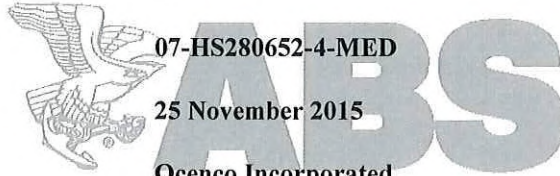
07-HS280652-4-MED

Entry Date:

25 November 2015

Name of Equipment/
Component Manufacturer:

Ocenco Incorporated
LakeView Corporate Park



Equipment/Component:

Emergency Escape Breathing Device (EEBD)

Model:

M-20.2

Scope:

A.1/3.41
Emergency Escape Breathing Device (EEBD)

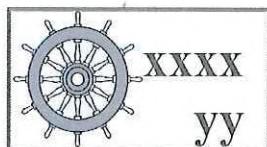
Comments:

Quality system approved in accordance with the requirements for emergency escape breathing devices (EEBD), fire protection item A.1/3.41 of the European Union Marine Equipment Directive 96/98/EC as Amended By Directive 2014/93/EU.

This certificate authorizes the manufacturer or his authorized representative, in conjunction with the EC Type Examination (Module B) Certificate 07-HS280652-3-EC dated 25 November 2015 to affix the "Mark of Conformity".

The steering wheel mark is to be followed by our Notified Body Number, and the last two digits of the year of manufacture, i.e. 0729/15.

Example for the application of the "Mark of Conformity":



0729

Number of the Notified Body responsible for the quality surveillance module.

15

Last two digits of the year in which the mark is affixed.

Notified Body The manufacturer shall issue a Declaration of Conformity for each product with reference to the EC Type Examination Certificate and this Quality Assessment Certificate.





QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No: QS0027/915

This is to certify that the quality management system of

Ocenco, Incorporated/Erie Medical

has been audited and found to be in compliance with:

ISO 9001:2015

The scope of certification is detailed below:

The design, manufacture and supply of:

- Emergency Escape Breathing Apparatus
- Respiratory Care Products
- Gas Containment and Control Devices

against national and international specifications and standards, company specifications and customer specifications.

Date of initial certification: 03 August 2003

Date of current issue: 01 June 2018

Date of expiry: 03 August 2021

Certification Manager



027



This certificate has been issued in accordance with our standard terms and conditions and subject to INSPEC Regulations. This certificate remains the property of INSPEC and may be withdrawn if any of the conditions attached to its issue are not complied with by the certified company.