



Transport
Canada
Safety and Security

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Certificate No: LR2309956TC
Issue Date: 10/01/2023
Expiry Date: 11/08/2025

Certificate Of Type Approval Issued On Behalf Of Transport of Canada

This is to certify that the product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by Transport Canada to issue the relevant certificates, licences, permits etc.

Manufacturer	WesCom Signal & Rescue Germany GmbH
Address	147 Vielaender Weg, Bremerhaven, 27574, Germany
Type	POSITION INDICATING LIGHT FOR LIFE SAVING-APPLIANCE LIFEBOUYS
Description	Position Indicating Light for Lifebuoys Type "Comet Light & Smoke Signals, Pains Wessex MOB MK9"
Trade Name	Comet Light & Smoke Signals, Pains Wessex Manoverboard MK9
Specified Standard	IMO Res. MSC.81(70), as amended, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, ISO 24408: 2005. TP 14475E

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document and its supplementary Type Approval Terms and Conditions form part of this Certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

Lijo Thomas

Senior Surveyor to Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR2309956TC

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions, and this Design Appraisal Document forms part of the Certificate.

This Design Appraisal Document forms part of the Certificate.

This is renewal/amendment of certificate No: LR2010941TC

APPROVAL DOCUMENTATION

EXAMINED DOCUMENTATION

Drawing No.	Rev. No	Issue Date	Drawing Title
5901 (2 sheets)	01	-	General Arrangement
5841 (8 sheets)	02	03/2016	General Arrangement
9537800	07	05/2022	Data Sheet Pains Wessex
9181600	-	-	Comet

TEST REPORTS

Prototype Test Report for the combined self-activating light and smoke signal, Report No 422012-00/422013-00, dated 24.10.2022 - 27.10.2022 and witnessed by a surveyor acceptable to LR

Prototype Test Report for compact light unit lifebuoy lights, Report No 422012-00/422013-00, dated 24.10.2022 - 27.10.2022 and witnessed by a surveyor acceptable to LR

Vibration Test done by Federal Maritime and Hydrographic Agency (BSH), Test Report No.: 454.PIL/004/00001.c, dated 07th June 2022.

Solar Radiation Test, Test report No: 210430-00-01, dated 03/02/2022

Mould growth test, Test report No: PB-2022-19825-42308, dated 17.05.2022

CONDITIONS OF CERTIFICATION

1. Maximum stowage height: 30 metres.
2. The light unit is fitted with a sealed lithium battery and does not require replacement during the product's life.
3. Lights powered by batteries shall be marked with a means of determining their age. The date of expiry shall not exceed 50% of the service life of the battery as established by the battery manufacturer.

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- Each light is to be marked with the information required by the LSA Code Regulation 1.2.2.9 and ISO 24408 Paragraph 4.3.
- Detailed fitting, maintenance and in-service test instructions are to be provided to each purchaser or the subject equipment.
- Each item is to be marked in accordance with the information required by the LSA Code Regulation 1.2.2.9.
- The lifebuoy where the self-igniting light and self-activated smoke signal is fitted should be tested in accordance with MSC.81 (70), Part 1, Paragraph 1.8, in order to demonstrate that the lifebuoy is able to activate the light.
- The arrangement and installation of the lifebuoy light and self-activating smoke signal on board are not part of this Design Appraisal or Certificate and are to be to the satisfaction of the Surveyors attending on board.
- If the specified standards are amended during the validity of this certificate, this product type is to be re-approved prior to it being supplied to vessels to which the amended standards apply.
- Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure compliance with SOLAS Regulation III/5.
- Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81 (70), Part 2 and and ISO 24408 (2005) Annexe A -Production testing and inspection procedures and must be recorded by the manufacturer. The sampling criteria shall be as per paragraph A.4.1 of ISO 24408 (2005) Annexe A . This does not preclude any further testing to additional requirements of the Marine Administration of the country where the ship is registered (i.e. the flag state) or those acting on behalf of that Administration.
- All instructions or markings that accompany life-saving appliance or are printed directly on the appliances must be in both English and French, as per Canadian procedures for approval of life-saving appliances and fire safety systems, equipment and products document no. TP 14612E (02/2019) paragraph 2.2.1.3. However independent signage can be accepted in lieu of the instructions or marking required in paragraph 2.2.1.3 if it is in both English and French, highly visible (size, colour, position location), water and weatherproof and posted at each muster station and where the appliance is stored.
- Should a change of Place of Production from that stated below be required i.e. where the stages of manufacture/assembly/testing of this product take place, the new Place of Production is to be advised to us prior to the change taking place. This Certificate will require to be updated for Approval to be maintained.



ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR2309956TC

PLACE OF PRODUCTION

Wescom Signal & Rescue Germany
GmbH Vielander Weg 147
2574 Bremerhaven
Germany

Lijo Thomas
Senior Specialist
Fire & Safety, Statutory Discipline Team
UK&I Technical Support Office, Marine & Offshore
Lloyd's Register EMEA

Supplementary Type Approval Terms and Conditions

This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s)