

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 | Vielander Weg 147, 27574, Bremerhaven, Germany |
| Type | Pyrotechnic Distress Signal - Red Hand Flare |
| Description | Pains Wessex Red Handflare MK8 (Art.9529050) Comet Red Handflare, red (Art. 9162800) |
| Trade Name | Pains Wessex / Comet |
| Specified Standard | LSA Code I/1.2 & III/3.2 MSC.81(70),Part 1, as amended, 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

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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR22281359TC-02

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.

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This Certificate is an amendment of Certificate Number LR22281359TC

EXAMINED DOCUMENTATION

Comet Red Handflare (Art. No. 9162800) datasheet, Issue: 4 02190, dated 02/2019

Pains Wessex Red Handflare MK8 (Art. No. 9529000) datasheet, Issue: 4 0219, dated 02/2019

SOLAS Handflare, red Art. 9162800/9529000 – Drawing no 0589-P1-0617, dated Feb.2015

Drawing No PW9529050 red handflare MK8 ENG Fr.indd 1, dated 14/06/2016

TEST REPORTS

Evaluation and Test Report, Hand Flare, Red, Model No. 426.004 (Comet)/426.005 (Pains Wessex), dated 2016-10-17 – 2016-10-20, witnessed by BG-Verkehr and BAM

Annual Test Report BG-Verkehr and BAM – Chemring Defence, Design Certificate, Issue 1 Certificate Number 001/2011 9162800 5290, dated 02.02.2011 and 06.11.2011

CONDITIONS OF CERTIFICATION

1. Hand flares are to be permanently marked with the month and year of manufacture, as well as its lot number, on its casing.
2. The instructions for operating the hand flares are to be permanently marked on its casing or the hand flare is to carry a diagram clearly showing the manner of operating the flare as required by LSA code regulation 3.2.1.2.
3. Each hand flare is to be marked with the information required by LSA Code, regulations 1.2.2.9.
4. The expiration date not to exceed 4 years after the month of manufacture.
5. 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.
6. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype.
7. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81(70), Part 2, Paragraph 1.2. 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.

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8. All instructions or markings that accompany life-saving appliances 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, posting location), water and weatherproof, posted at each muster station and where the appliance is stored.
9. 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.

PLACES OF PRODUCTION

Wescom Signal & Rescue Germany GmbH
Vielander Weg, 147
27574 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).