



Lloyd's
Register

Transport
Canada
Safety and Security




CERTIFICATE OF TYPE APPROVAL ISSUED ON BEHALF OF TRANSPORT CANADA

This is to certify that

The product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations with regards to 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 and Rescue Germany GmbH
Address	Vielander Weg, 147, 27574 Bremerhaven, Germany
Type	Line-throwing Appliances
Description	COMET 250 Linethrower (Article No. 9160400) Pains Wessex Linethrower 250 (Article 9502000)
Specified Standard	LSA Code I/1.2 & VII/7.1 MSC.81 (70) part 1, as amended. TP 14475E

**The attached Design Appraisal Document forms 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.**

Date of issue	9 May 2018	Expiry date	22 June 2022
Certificate No.	LRTC 0000155/M1	Signed	
Sheet No	1 of 4	Name	L. Thomas Surveyor to Lloyd's Register EMEA A Member of the Lloyd's Register Group

Note:

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 of any modification or changes to the equipment in order to obtain a valid Certificate.

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



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DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
9 May 2018	SOUTSO/SFS/TA/LT/WP31542146

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LRTC 0000155/M1

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 certificate is an amendment of LRTC 0000155.

EXAMINED DOCUMENTATION

Drawings Art. 9502000 Pains Wessex LTA250/Art. 9160400 Comet LTA 250, Certification Note BAM EG Type Approval 0589.PYR. 4370/10

Comet LINETHROWER 250 - 3799 CM 9160500 9160400 175X225 body Linethrower. Indd 2, dated 26/08/2016

Pains Wessex LINETHROWER 250 - 3799 PW 9500700 9502000 175X225 body Linethrower 250.Indd 2, dated 26/08/2016

COMET Linethrower 250 (Complete unit 9160400) datasheet, Issue 6, dated 01/2014

Pains Wessex Linethrower 250 (Complete unit 9502000) datasheet, Issue 6, date 01/2014

TEST REPORTS

Evaluation and Test Report, Line Throwing Appliances (Pyrotechnics), Type EC-Type Examination (Module B) Certificate No No. 424.002 (Comet)/424.003 (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 916040050020, dated 28.01.2011

Report about the prototype testing II.3/1730/01, carried out between 26-28.03.2001, witnessed by See BG and BAM

CONDITIONS OF CERTIFICATION

1. All instructions or markings that accompany Comet or Pains Wessex Linethrower 250 or/and 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 (05/2011) 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 weather proof and posted at each muster station and where the appliance is stored
2. Every projectile, cartridge or other means of ignition of a line-throwing appliance shall be marked with
 - (a) the manufacturer's name, logo or trade-mark;
 - (b) the lot number;
 - (c) the month and year of manufacture; and
 - (d) the Board approval number



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3. A line-throwing appliance that is an integral unit shall be marked with the month and year of manufacture of the projectile and means of ignition
4. Every projectile, cartridge or other means of ignition of a linethrowing appliance shall be withdrawn from service at the latest four years after its date of manufacture
5. Each line-throwing Comet or Pains Wessex Linethrower 250 is to be constructed in accordance with the manufacturer's drawings listed above and no departure from these drawings shall be made without prior notification to LR
6. 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
7. 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
8. 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
9. Each line-throwing appliance Comet or Pains Wessex Linethrower 250 has to be proved satisfactory in service
10. Each line-throwing appliance Comet or Pains Wessex Linethrower 250 to be supplied with on-board maintenance information, operating instructions and crew training information and instruction suitable for insertion into ship's on-board training manual in English and French
11. This certificate may be suspended or cancelled if the manufacturer deviates from any of the conditions described herein without the prior consent of LR
12. This approval is given on the understanding that Transport Canada reserves the right to require check tests to be carried out at any time and that the manufacturer of the line-throwing appliance Comet or Pains Wessex Linethrower 250 will accept responsibility for informing shipowners of proper methods of use, maintenance and the conditions of this approval



Lloyd's
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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LRTC 0000155/M1

PLACE OF PRODUCTION

WesCom Signal and Rescue Germany GmbH
Vielander Weg, 147
27574 Bremerhaven
Germany



Lijo Thomas
Senior Specialist
Statutory Fire & Safety
Southampton 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).