



CERTIFICATE OF TYPE APPROVAL

This is to certify that

LLOYD'S REGISTER, specified as a "person" under the terms of The Merchant Shipping (Delegation of Equipment Approval) Regulations 1996, did undertake the relevant type approval procedures of the equipment identified below which was found to be in compliance with the essential Fire Appliances requirements subject to any conditions in the Design Appraisal Document hereto.

| | | |
|------------------------------|--|------------------------------------|
| Producer Address | Wolf Safety Lamp Company Ltd Saxon Road Works Sheffield, S8 0YA United Kingdom (UK) | |
| Equipment Description | Primary Cell Powered Safety Torch/Flashlight | |
| Type | Wolf ATEX TR-40 / TR-45 | |
| Specified Standard | EN 60079-0: 2004 EN 61241-0: 2004 | EN 50020: 2002 EN 61241-1: 2004 |
| | TR-40 II 2 GD Ex ib IIC T4/T3 tD A21 IP67 T85° C | |
| | TR-45 II 1 G Ex ia IIC T4/T3 IP67 | |
| Application | TR-40: Zone 1 and Zone 2 of potentially explosive gas, vapour and mist atmospheres and Zone 21 and Zone 22 of potentially explosive dust atmospheres in the marine and offshore industries. TR-45: Zone 0, 1 and 2 of potentially explosive gas, vapour and mist atmospheres in the marine and offshore industries. | |
| Other Conditions | Torch to be opened only in non-hazardous (safe) areas. | |

The attached Design Appraisal Document forms part of this certificate.

This certificate remains valid up to the expiry date unless cancelled or revoked, or until such date where it is superseded by the requirements of the Marine Equipment Directive whichever is the earlier, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

| | | | |
|-----------------|----------------|-------------|--|
| Date of issue | 23 August 2008 | Expiry date | 22 August 2013 |
| Certificate No. | MCA 0800012 | Signed | <i>M. A. Rufaie</i> |
| Sheet No | 1 of 2 | Name | M.H.A. Rufaie 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 the nominated body named on this certificate of any modification or changes to the equipment in order to obtain a valid Certificate.



Maritime and Coastguard Agency

An Executive Agency of the Department for Transport

This certificate is issued under the authority given in Merchant Shipping Notice No MSN 1735 (M+F) as amended to date.



Lloyd's Register EMEA

London Plan Approval

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|--------------------------------|
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| Document number MCA 0800012 |
| Issue number 1 |

DESIGN APPRAISAL DOCUMENT

| | |
|------------------------|---|
| Date 23 August 2008 | Quote this reference on all future communications LDSS/PAS/TAE/W01741736/MHR/O-93508 |
|------------------------|---|

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. MCA 0800012

The undernoted documents have been appraised for compliance with the relevant International Conventions and UK legislation for the Type Approval of Marine Equipment for use on Merchant Ships Registered in the United Kingdom.

This Design Appraisal Document forms part of the Certificate that is issued under the authority given in the MCA Merchant Shipping Notice No MSN 1735.

APPROVAL DOCUMENTATION

Request form

17.01.2008

TEST REPORTS

Also all the documentation listed on Design Appraisal Document associated with Type Approval Certificate No. 08/00037

M.H.A. RUFAlE

Lead Specialist

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Part 10

Subject: Marine Equipment (MSA)

Product: Fire Appliances (MCA)

| Producer | Product | Type and Details | Standard(s) | Remarks | Cert. No. |
|--|---|--|---|--|--------------------|
| <p>Wolf Safety Lamp Company Ltd, Saxon Road Works, Sheffield, S8 0YA, United Kingdom (UK).</p> | <p>Primary Cell Powered Safety Torch/Flashlight</p> | <p>Wolf ATEX TR-40 / TR-45</p> <p><u>TR-40</u> Zone 1 and Zone 2 of potentially explosive gas, vapour and mist atmospheres and Zone 21 and Zone 22 of potentially explosive dust atmospheres in the marine and offshore industries.</p> <p><u>TR-45</u> Zone 0, 1 and 2 of potentially explosive gas, vapour and mist atmospheres in the marine and offshore industries.</p> | <p>EN 60079-0: 2004 EN 50020: 2002 EN 61241-0: 2004 EN 61241-1: 2004</p> <p><u>TR-40</u> Code: II 2 GD Ex ib IIC T4/T3 tD A21 IP67 T85° C</p> <p><u>TR-45</u> Code: II 1 G Ex ia IIC T4/T3 IP67</p> | <p>Expires: 23 August 2013</p> <p>Torch to be opened only in non-hazardous (safe) areas.</p> | <p>MCA 0800012</p> |

23 AUG 2008
M.H.