



Your ref:
Our ref: Fire
Enquiries: MD Vowles
Date: 2014-08-18

International Engineered Products (Pty) Ltd
Attention Mr Ignus Roeleveld
PO Box 322
MILNERTON
7435

E-mail ignus@iep-sa.co.za

Dear Sir

CERTIFICATE OF CONFORMANCE

Thank you for your recent enquiry concerning a Certificate of Conformance for the Muster II Engineered Fire Suppression System. As requested and based on the submitted information and appropriate test reports, a copy of the Certificate of Conformance is attached.

Yours faithfully,

MD Vowles
Technical Specialist
Certification Mechanical, Metallurgy and Safety Industries
SABS COMMERCIAL SOC Ltd

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SABS COMMERCIAL SOC Ltd. Reg. No. 2000/013581/07

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CERTIFICATE OF CONFORMANCE

Certification Authority: SABS Commercial SOC Ltd
SANAS Accreditation Product Certification, ISO Guide 65, C07a
SANAS Accreditation Quality Management Systems, ISO/IEC 17021:2011,
C01a

Date of Assessment: 15th August 2014

Product Designation: Muster II Engineered Fire Suppression System.

Manufacturer: International Engineered Products, Unit 1, 5 Scheckter Road,
Killarney Gardens, Cape Town, South Africa, 7441

Product Specification: Australian Standard AS 5062-2006 Fire protection for mobile and
transportable equipment.

Compliance to the requirements of Australian Standard AS 5062-2006 has been assessed in accordance with the following Normative Appendices:

AS 5062-2006 Appendix D Assessment of Component Compliance for Fire Protection Systems

AS 5062-2006 Appendix E Fire Test Method for Foam Water Spray Fire Suppression Systems.

Test, Inspection, Calibration and Conformance Reports from the following Test, Inspection and Calibration Organizations have been assessed.

Gerotek Test Facilities, a Division of Armscor SOC Ltd, SANAS Accredited Testing Laboratory, T0005

RITC (Pty) Ltd, SANAS Accredited Inspection Body, LVUP062

SGS Metlab (Pty) Ltd, SANAS Accredited Testing Laboratory, T0324

SABS Commercial SOC Ltd, SANAS Accredited Testing Laboratory, T0196

Rhomberg Instruments CC, SANAS Accredited Calibration Laboratory, 271

Conformance Result

AS 5062-2006, Appendix D, Table D1

Test No.	Component to be tested	Name of test	Inspection / Test / Calibration Authority	Report No.
1	Fully charged extinguishing system units	Flow distribution	RITC (Pty) Ltd	Report No. IEP/TC/001
2	Containers	Hydrostatic pressure test	Metlab (Pty) Ltd SABS Commercial SOC Ltd	18/ and 28/: 12-6678 and 12H223. 22/ and 38/: 13-1679 and 13H089. 66/ and 110/: 12-6678 Amended and 12H223.
3	Fully charged extinguishing system	30-Day elevated temperature test	Gerotek Test Facilities	Test report no. 11646, Edition 3, section 2.1
4	Fully charged extinguishing system	Temperature cycling test	Gerotek Test Facilities	Test report no. 11646, Edition 3, section 2.2
5	Nozzles and nozzle caps fitted with elastomer seals	Ageing test	Gerotek Test Facilities	Test report no. 11646, Edition 3, section 2.3
6	Fully charged extinguishing system units including attachments required for installation	Salt spray corrosion test	Gerotek Test Facilities	Test report no. 11646, Edition 3, section 2.4
7	Discharge valves, including actuation devices	500 cycle operation test	Gerotek Test Facilities	Test report no. 11646, Edition 3, section 2.5
8	Mounting brackets for fire protection system container / valve assemblies	Mounting device test	Gerotek Test Facilities	Test report no. 11646, Edition 3, section 2.6
9	Manual actuators and pull stations	Operational test of manual pull stations	RITC (Pty) Ltd	Report No. IEP/TC/011
10	Valves and other components intended to be pneumatically operated by a master valve or by other pneumatic means	Pneumatic operation test	RITC (Pty) Ltd	Report No. IEP/TC/003
11	Burst discs	Pressure relief test	Gerotek Test Facilities	Test report no. 11646, Edition 3, section 2.7
12	Fire protection system units	Vibration test	Gerotek Test Facilities	Test report no. 11646, Edition 3, section 2.8
13	Nozzles and nozzle caps	Blow off test	RITC (Pty) Ltd	Report No. IEP/TC/004
14	Fully charged extinguishing system units including attachments required for installation	Shock test	Gerotek Test Facilities	Test report no. 11646, Edition 3, section 2.9
15	Plastic valve parts or brackets	Air oven aging test	Gerotek Test Facilities	Test report no. 11646, Edition 3, section 2.10

Test No.	Component to be tested	Name of test	Inspection / Test / Calibration Authority	Report No.
16	Plastic siphon tubes	Exposure to extinguishing agent test	RITC (Pty) Ltd	Report No. IEP/TC/008
17	Plastic valve parts	Light and water test	Not applicable. Plastic components are not used in the valve production. Information supplied by manufacturer.	
18	Pressure indicators	Calibration test	Rhomberg Instruments	Certificate of Calibration P471-1, P471-2 and P1140-1
19	Pressure indicators	Burst strength test	Rhomberg Instruments	Certificate of Conformance No. 583641 and 583642
20	Nameplates	Nameplate exposure test	Gerotek Test Facilities	Test report no. 11646, Edition 3, section 2.11

Conformance Result

AS 5062-2006, Appendix E

Test 1 – Fuel spill extinguishment and re-ignition test – Direct Application

Test witnessed by RITC (PTY) LTD. Certificate of Acceptance, dated 18/06/2013 submitted together with video evidence of the test.

Test 2 – Fuel spill extinguishment and fuel spray re-ignition test – Indirect Application.

Test witnessed by RITC (PTY) LTD. Certificate of Acceptance, dated 18/06/2013 submitted together with video evidence of the test.

Conclusion

The Muster II Engineered Fire Suppression System complied with the requirements of AS 5062-2006, Appendix D and Appendix E.



MD Vowles
 Technical Specialist
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