

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

| | | |
|---|---|--|
|  <p>4542 Type A Inspection Body</p> <p>Accredited to ISO/IEC 17020:2012</p> | <h3>Arrowhead Industrial Services Limited</h3> <p>Issue No: 020 Issue date: 08 December 2022</p> | |
| | <p>Orion House 14 Barn Hill Stamford Lincolnshire PE9 2AE United Kingdom</p> | <p>Contact: Simon Davies Tel: +44 (0)1778 243500 E-Mail: sales@arrowheadis.com Website: www.arrowheadis.com</p> |
| <p>Inspection performed at/from the above address only</p> | | |

DETAIL OF ACCREDITATION

| Accreditation for the purpose of UK Approved Body Activity in accordance with UKCA Requirements and UKAS Publication GEN 5 | | | |
|--|--|--|--|
| Directive/Regulation | Conformity Assessment procedure/Module/Article and / or Inspection | Category of products or individual products | Methods / Procedures Essential requirements: Product specification/ Properties / Standards |
| <p>The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations SI 2009/1348 (as amended) The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (Amendment) (EU Exit) Regulations 2020. The Carriage of Dangerous Goods & Use of Transportable Pressure Equipment (Northern Ireland) Regulations 2010 (as amended).</p> | | | |
| <p>The Carriage of Dangerous Goods and use of Transportable Pressure Equipment Regulations 2009 SI 2009/1348 – (as amended) – Part 3 regulation 14</p> | <p>Periodic Inspection</p> | <p>Old Pressure Receptacles* (cylinders, tubes and cryogenic receptacles) constructed before 30/06/03 and for other pressure receptacles before 09/04/04</p> | <p><i>-Denotes a withdrawn or superseded standard.</i></p> <p><i>'until' denotes the date that application of the specified standard is no longer permitted.</i></p> |



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| <p>The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations SI 2009/1348 (as amended) The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (Amendment) (EU Exit) Regulations 2020. The Carriage of Dangerous Goods & Use of Transportable Pressure Equipment (Northern Ireland) Regulations 2010 (as amended).</p> | <p>Periodic Inspection</p> | <p>Seamless Steel Cylinders</p> <p>Seamless Aluminium Alloy Cylinders</p> <p>Dissolved Acetylene Cylinders</p> <p>Welded Steel Cylinders</p> <p>Composite Cylinders Welded Steel Pressure Drums</p> <p>Cylinder Valves</p> <p>Welded Steel LPG Cylinders</p> <p>Cylinder Bundles</p> | <p>EN 1968 :2002+A1:2005 (Except Annex B) (until 31/12/2022)</p> <p>EN 1802 :2002 (except Annex B) (until 31/12/2022)</p> <p>EN ISO 10462:2013~ (until 31/12/2022) EN ISO 10462:2013+A1:2019</p> <p>EN ISO 1803:2002 (except Annex B) (until 31/12/2022)</p> <p>EN ISO 11623:2015 EN 14876:2007</p> <p>EN ISO 22434:20122</p> <p>EN 440:2016+A1:2018+A2:2020 (except Annex C)</p> <p>EN 15888:2014</p> |



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| The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations SI 2009/1348 (as amended) The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (Amendment) (EU Exit) Regulations 2020. The Carriage of Dangerous Goods & Use of Transportable Pressure Equipment (Northern Ireland) Regulations 2010 (as amended). | | | |
| ADR Chapter 6.2.2.4 | Part 4 - Regulation 22 - Periodic Inspection | UN Cylinders | Conformity assessment to 1.8.7.5 of the Annexes to 2008/68/EC ~ Denotes a withdrawn or superseded standard. 'until' denotes the date that application of the specified standard is no longer permitted. |
| | | Seamless Steel Cylinders | ISO 6406:2005 |
| ADR Chapter 6.2.3 Chapter 6.2.4 | Part 4 - Regulation 22 - Periodic Inspection | Non-UN Pressure Receptacles | Conformity assessment to 1.8.7.5 of the Annexes to 2008/68/EC ~ Denotes a withdrawn or superseded standard. 'until' denotes the date that application of the specified standard is no longer permitted. |
| | | Seamless Steel Cylinders | EN 1968 :2002+A1 :2005 (Except Annex B) (until 31/12/2022) |
| | | Seamless Aluminium Alloy Cylinders | EN 1802:2002 (except Annex B) (until 31/12/2022) |
| | | Dissolved Acetylene Cylinders | EN ISO 10462 :2013 ~ (until 31/12/2022) EN ISO 10462:2013+A1:2019 |
| | | Welded Steel Cylinders | EN ISO 1803:2002 (except Annex B) (until 31/12/2022) |
| | | Composite Cylinders | EN ISO 11623: 2015 |
| | | Welded Steel Pressure Drums | EN 14876:2007 |
| | | Cylinder Valves | EN ISO 22434:2011 |
| | | Welded Steel LPG Cylinders | BS EN 440:2016+A1:2018+A2:2020 |
| Cylinder Bundles | EN 15888:2014 | | |



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| <p>The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations SI 2009/1348 (as amended) The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (Amendment) (EU Exit) Regulations 2020. The Carriage of Dangerous Goods & Use of Transportable Pressure Equipment (Northern Ireland) Regulations 2010 (as amended).</p> | <p>Part 4 - Regulation 19 - Type approval. - Supervision of manufacture - Initial inspection and tests - Surveillance of the in-house inspection service</p> <p>Part 4 - Regulation 21 - Reassessment of Conformity</p> | <p>Non-UN Pressure Receptacles to referenced standards*</p> <p>Class 2 UK TPE Marking</p> | <p>Conformity assessment according to ADR 1.8.7.2, 1.8.7.3, 1.8.7.4: of the Annexes to 2008/68/EC</p> <p>~ Denotes a withdrawn or superseded standard.</p> <p>'until' denotes the date that application of the specified standard is no longer permitted.</p> <p>84/525/EEC (Annex 1 Parts 1 to 3) 84/526/EEC (Annex 1 Parts 1 to 3) 84/527/EEC (Annex 1 Parts 1 to 3)</p> <p>EN 1964-1:1999~(until 31/12/2014) EN 1964-2:2001~(until 31/12/2014) EN 1964-3:2000 EN ISO 11120:1999~ EN ISO 11120:2015 EN 1975:1999/A1:2003~(until 31/12/2016) EN 1442 :2017 EN 13322-1:2003+A1:2006 EN 14208:2004 EN 12862:2000 EN 12245:2002~ EN 12257:2002 EN 12205:2001~(until 31/12/2018) EN 13293:2002 EN 13769:2003 + A1:2005 ~ (until 31/12/2014) EN ISO 10961:2012 EN ISO 10961:2019 EN 12245:2009 +A1:2011 EN ISO 9809-1:2010~(until 31/12/2022) EN ISO 9809-2:2010 (until 31/12/2022) EN ISO 9809-3:2010~(until 31/12/2022) EN ISO 11118:2015</p> |



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| The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (Amendment) (EU Exit) Regulations 2020. The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations SI 2009/1348 (As amended) | | | |
| ADR Chapter 6.2.3 Chapter 6.2.4 | Periodic in-service inspection | Cylinders and valves for breathing appliances | |
| | | Seamless Steel Cylinders | EN 1968 :2002+A1 :2005 (until 31/12/2022) (Except Annex B) |
| | | Seamless Aluminium Alloy Cylinders | EN 1802 :2002(until 31/12/2022) (Except Annex B) |
| | | Welded Steel Cylinders | EN 1803 :2002 (until 31/12/2022) (Except Annex B) |
| | | Composite Cylinders | EN ISO 11623: 2015 |
| | | Cylinder Valves | EN ISO 22434:2011 |
| UN/ECE Regulation No R110:2010 (in support of Regulation (EU) 2018/858). | Conformity assessment including: - Type approval. - Initial inspection and test - Supervision of manufacture. | Type 3 Fully-Wrapped, load bearing Composite Cylinder. Type 4 Fully-Wrapped non-load bearing Composite Cylinder. Specific components of motor vehicles using CNG: High pressure light-weight refillable gas cylinders: Type 3 Fully-Wrapped Cylinder. Type 4 Fully-Wrapped Composite Cylinder. | Annex 3 to Regulation No 110 (UN/ECE) (except stainless steel) BS EN ISO 11439:2013 Internal procedure: QAD No. 100-094-08 |
| | | | |



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| The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (Amendment) (EU Exit) Regulations 2020. The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations SI 2009/1348 (As amended) | | | |
| UN/ECE Regulation No EC79:2009 (in support of Regulation (EU) 2018/858). | Conformity assessment including: - Type approval. - Initial inspection and test - Supervision of manufacture. | Specific components of motor vehicles using compressed (gaseous) hydrogen: High pressure refillable gas containers: Type 3 Fully-Wrapped container with a seamless or welded metallic liner. Type 4 Fully-Wrapped container with a non-metallic liner. | Annex IV to Regulation (EC) No 79/2009 Annex IV to Regulation (EU) No 406/2010 Internal procedure: QAD No. 100-094-08 |
| UN/ECE Regulation No. R134:2018 (in support of Regulation (EU) 2018/858). | Conformity assessment including: - Type approval. - Initial inspection and test - Supervision of manufacture. | Specific components of motor vehicles using compressed (gaseous) hydrogen: High pressure refillable gas containers: Type 3 Fully-Wrapped, container with a seamless or welded metallic liner. Type 4 Fully-Wrapped container with a non-metallic liner. | ISO 11119-2 ISO 11119-3 |



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| Pressure Equipment (Safety) Regulations 2016, SI 2016 No 1105 as amended | <p><i>Regulation 42 and Schedule 1A.</i></p> <p>Schedule 1A Part 2 – Module A2 Internal production control plus supervised pressure equipment checks at random</p> <p>Schedule 1A Part 6 – Module D1 Quality assurance of the production process</p> <p>Schedule 1A Part 8 – Module E1 Quality assurance of final pressure equipment inspection and testing</p> | <p>Pressure equipment and assemblies except for directly fired equipment **</p> <p>Category II Equipment</p> | <p>UK Approved Body Procedures</p> |
| | <p>Schedule 1A Part 3 – Module B Design Type Examination</p> <p>Schedule 1A Part 4 – Module C2 Conformity to type based on internal production control plus supervised pressure equipment checks at random intervals</p> <p>Schedule 1A Part 5 – Module D Conformity to type based on quality assurance in the production process</p> | <p>Category III Equipment</p> | |



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| Pressure Equipment (Safety) Regulations 2016, SI 2016 No 1105 as amended (cont'd) | <p>Schedule 1A Part 7 – Module E Conformity to type based on pressure equipment quality assurance</p> <p>Schedule 1A Part 9 – Module F Conformity to type based on pressure equipment verification</p> <p>Schedule 1A Part 11 – Module H Conformity based on full quality assurance</p> | Category III Equipment (cont'd) | |
| | <p>Part 3 – Module B Production Type Examination</p> <p>Part 5 – Module D Conformity to type based on quality assurance in the production process</p> <p>Part 9 – Module F Conformity to type based on pressure equipment verification</p> <p>Part 10 – Module G Conformity based on unit verification</p> <p>Part 12 – Module H1 Conformity based on full quality assurance plus design examination</p> | Category IV Equipment | |



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| Pressure Equipment (Safety) Regulations 2016, SI 2016 No 1105 as amended (cont'd) | Schedule 2 paragraph 21 | Categories II III and IV Approval of permanent joining procedures and personnel ** | UK Approved Body Procedures |

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**Accreditation for the purpose of Notified Body Activity relating to the Northern Ireland market (CE + UKNI)
taking into account EA-2/17**

| Directive/Regulation | Conformity Assessment procedure/Module/Article and / or Inspection | Category of products or individual products | Methods / Procedures Essential requirements: Product specification/ Properties / Standards |
|--|--|---|---|
| Pressure Equipment (Directive 2014/68/EU) implemented in Northern Ireland by the Pressure Equipment (Safety) Regulation 2016, , SI 2016 No 1105 as amended | Directive: Article 14:Annex III Annex III.1 Module A2 Internal production control plus supervised pressure equipment checks at random Annex III.6 Module D1 Quality assurance of the production process Annex III.1 Module E1 Quality assurance of final pressure equipment inspection and testing | Pressure equipment and assemblies except for directly fired equipment ** Category II Equipment | UK Notified Body Procedures |
| | Annex III.3 Module B Design Type Examination S Annex III.4 Module C2 Conformity to type based on internal production control plus supervised pressure equipment checks at random intervals Annex III.5 Module D Conformity to type based on quality assurance in the production process Annex III.7 Part 7 – Module E Conformity to type based on pressure equipment quality assurance | Category III Equipment | |



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|--|---|---|---|
| Pressure Equipment (Directive 2014/68/EU) as implemented in Northern Ireland by the Pressure Equipment (Safety) Regulation 2016, SI 2016 No 1105 as amended (cont'd) | Annex III.9 Module F Conformity to type based on pressure equipment verification | Category III Equipment (cont'd) | |
| | Annex III.11 Module H Conformity based on full quality assurance | | |
| | Annex III.3 Module B Production Type Examination | Category IV Equipment | |
| | Annex III.5 Module D Conformity to type based on quality assurance in the production process | | |
| | Annex III.9 Module F Conformity to type based on pressure equipment verification | | |
| | Annex III.10 Module G Conformity based on unit verification | | |
| | Annex III.12 Module H1 Conformity based on full quality assurance plus design examination | | |
| | Directive: Annex I – 3.1.2 Regulations: Schedule 2 paragraph 21 | Categories II III and IV Approval of permanent joining procedures and personnel ** | UK Notified Body Procedures |

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