

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>025</p> <p>Type A Inspection Body</p> <p>Accredited to ISO/IEC 17020:1998</p>	<p>HSB Inspection Quality (A division of HSB Houghton Engineering Insurance Services Limited)</p> <p>Issue No: 010 Issue date: 31 January 2011</p>	
	<p>Cairo House Greenacres Road Waterhead Oldham OL4 3JA</p>	<p>Contact: Mr M Yates Tel: +44 (0)845 345 5670 Fax: +44 (0)845 345 5680 E-Mail: martin.yates@hsbeil.com Website: www.hsbhaughton.com</p>
<p>Inspection performed at/from the above address only</p>		

DETAIL OF ACCREDITATION

Field of Inspection	Type and Range of Inspection	Methods and Procedures
Boilers and pressure vessels	Design verification and new construction inspection	<p>PD 5500 - Specification for unfired fusion welded pressure vessels</p> <p>BS EN 13445 - Unfired pressure vessels</p> <p>BS 2790 - Specification for the design and manufacture of shell boilers of welded construction</p> <p>BS EN 12953 - Shell boilers</p> <p>BS 1113 - Specification for the design and manufacture of water tube steam generating plant (including superheaters, reheaters and steel tube economisers)</p> <p>BS EN 12952 - Water-tube boilers and auxiliary installations</p> <p>BS EN 286 - Simple unfired pressure vessels designed to contain air or nitrogen. Simple Pressure Vessel Directive 87/404 EEC.</p> <p>ASME Section I - Power Boilers</p> <p>ASME VIII Division 1 - Rules for construction of pressure vessels</p>



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Boilers and pressure vessels (cont'd)	Design verification and new construction inspection (cont'd)	<p>ASME VIII Division 2 - Rules for construction of pressure vessels</p> <p>BS 5169 - Specification for fusion welded steel air receivers</p> <p>BS 2654 - Specification for manufacture of vertical steel welded non-refrigerated storage tanks with butt-welded shells for the petroleum industry</p> <p>BS EN 14015 - Specification for the design and manufacture of site built, vertical, cylindrical, flat bottomed, above ground, welded, steel tanks for the storage of liquids at ambient temperature and above.</p> <p>BS EN 12285 Part 1 - Horizontal cylindrical single skin and double skin tanks for the underground storage of flammable and non-flammable water polluting liquids.</p> <p>BS EN 12285 Part 2 - Horizontal cylindrical single skin and double skin tanks for the aboveground storage of flammable and non-flammable water polluting liquids.</p> <p>DIN 6607 - External corrosion protection of underground steel storage tanks</p> <p>DIN 6608 Part 1. Horizontal single wall steel tanks for underground storage of flammable and non flammable water polluting liquids</p> <p>DIN 6608 Part 2. Horizontal double wall steel tanks for underground storage of flammable and non flammable water polluting liquids</p>



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Boilers and pressure vessels (cont'd)	Design verification and new construction inspection (cont'd)	<p>BS 4994 - Specification for design and construction of vessels and tanks in reinforced plastics</p> <p>BE EN 13121 - GRP tanks and vessels for use above ground</p> <p>A.D. Merkblätter sections W, HP, N1, B, S, A TEMA Australian Standard AS1210 - Pressure vessels</p> <p>BS EN 378-2:2008 + A1:2009 - Refrigeration systems and heat pumps. Safety and environmental requirements. Design, construction, testing, marking and documentation</p> <p>BS EN 12284:2003 - Refrigeration systems and heat pumps. Valves. Requirements for testing and marking</p>
Welding procedures and welder qualification tests	Verification and approval	<p>BS EN 287 BS EN ISO 15614 ASME IX BS EN 9606-2 :2004 BS EN 9606-3 :1999</p>
Piping	New construction inspection	<p>ASME B31.3 Process piping</p> <p>ASME B31.1 - Power piping</p> <p>BS EN 13480 - Metallic industrial piping</p> <p>BS 806 Specification for design and construction of ferrous piping installations for, and in connection with, land boilers</p>



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Field of Inspection	Type and Range of Inspection	Methods and Procedures
<p>The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009:</p> <p>Pressure Receptacles *</p>	<p>Periodic in-service Inspection</p>	<p>Part III of Annex IV of the TPED Module 1 and 2 for: Seamless Steel Cylinders BS EN 1968:2002 + A1:2005 (except Annex B). Welded Steel Cylinders BS EN 1803:2002 (except Annex B) Seamless Aluminium Alloy Cylinders BS EN 1802:2002 (except Annex B) Welded steel pressure drums BS EN 14876: Cylinder Valves BS EN 14189:</p>
<p>The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009:</p> <p>Old Pressure Receptacles *</p>	<p>Periodic in-service Inspection</p>	<p>Seamless Steel Cylinders BS EN 1968:2002 + A1:2005 (except Annex B). Welded Steel Cylinders BS EN 1803:2002 (except Annex B) Seamless Aluminium Alloy Cylinders BS EN 1802:2002 (except Annex B) Welded steel pressure drums BS EN 14876: Cylinder Valves BS EN 14189:</p>



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<p>The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009</p> <p>Pressure receptacles *</p>	<p>Conformity assessment</p>	<p>Annex V of the TPED, Modules A1, B, B1, C1, D, D1, E, E1, F, G, H, H1 for:</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) EN 1964-1:2000 EN 1964-2:2001 EN 1964-3:2000 BS EN 1442:2006 + A1:2008 BS EN 1975:1999 + A1:2003 EN ISO 11120:1999 EN 12862:2000 EN 13293: 2002 EN 13322-1:2003 + A1:2006 - EN 13322-2:2003 + A1:2006 - EN 12205:2001 EN 14208:2004 EN 13769:2003 + A1:2005 EN 417:2003. EN ISO 10297:2006</p> <p>UN Cylinders ISO 9809-1:1999 ISO 9809-2:2000 ISO 9809-3:2000 ISO 11118:1999</p>



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<p>The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009</p> <p>Pressure receptacles *</p>	<p>Reassessment of conformity</p>	<p>Part II of Annex IV of the TPED 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) EN 1964-1:2000 EN 1964-2:2001 EN 1964-3:2000 BS EN 1442:2006 + A1:2008 BS EN 1975:1999 + A1:2003 EN ISO 11120:1999 EN 12862:2000 EN 13293: 2002 EN 13322-1:2003 + A1:2006 - EN 13322-2:2003 + A1:2006 - EN 12205:2001 EN 14208:2004 EN 13769:2003 + A1:2005 EN 417:2003. EN ISO 10297:2006</p> <p>UN Cylinders ISO 9809-1:1999 ISO 9809-2:2000 ISO 9809-3:2000 ISO 11118:1999</p>
<p>The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 Part 3 of the Approved Derogations and Transitional Provisions.</p> <p>Road & Rail tanks Old Tanks* Class 2-6, 8 & 9. Class 6.2 is excluded Class 2 Π (Pi) marked only</p>	<p>Periodic inspection/examination and certification in service. Review of written Schemes of Examination</p>	<p>Customers written schemes of examination</p> <p>In house procedures</p>
<p>The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009</p> <p>Road and Rail Tanks constructed to ADR or RID* for classes 3 - 6, 8 & 9 and Class 2 Π (Pi) tanks manufactured before 1/7/2007 Class 6.2 is excluded</p>	<p>Periodic inspection / examination and certification in service. Review of written Schemes of Examination</p>	<p>Customers written schemes of examination</p> <p>In house procedures</p>



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<p>The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009</p> <p>Road and Rail Tanks constructed to ADR or RID* for classes 3 - 6, 8 and 9</p> <p>The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009</p> <p>TPED (Class 2 Π (Pi) marked) Tanks * for conformity assessment procedures B,D,F,G,H1 and module 1 and 2</p>	<p>Design Verification and certification of new tanks at construction including initial inspection</p> <p>Design verification and certification of new tanks at construction including initial inspection</p> <p>Conformity Re-Assessment</p> <p>Periodic inspection/examination and certification in service. Review of written Schemes of Examination</p>	<p>EN 14025:2008 Tanks for the transport of dangerous goods - Metallic Pressure tanks - Design and Construction</p> <p>EN 12972:2007 Tanks for the transport of dangerous goods - Metallic tanks with a design pressure not exceeding 0.5 bar - Design and construction</p> <p>EN 12493:2001 & 2008 Welded steel tanks for LPG - Road Tankers - design and manufacture</p> <p>IMGD - International Maritime Dangerous Goods Code, Vol I to IV</p> <p>IQ 028 (In-house procedure)</p>
<p>Note: The inspection of items marked thus * are subject to legislative requirements including the appointment of 'persons' to carry out inspections. Reference should be made to the VCA Dangerous Goods Office for information on this and listings of <u>bodies</u> recognised under UK legislation.</p>		
	END	