


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>UKAS</b> TESTING 8774</p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>Con Mech Engineers Limited</h3> <p>Issue No: 010    Issue date: 15 February 2021</p>	
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<p><b>Testing performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p><b>METALS, ALLOYS and METAL PRODUCTS</b></p> <p>Ferrous and Non-Ferrous Castings, Forgings, Plate, Pipes and Tubes</p>	<p><u>Mechanical Tests</u></p>	
	<p>Tensile at ambient temperature (Forces 0.3 to 600 kN)</p>	<p>ASTM A370- 20 ASTM E8/E8M-16ae<sup>1</sup> BS EN ISO 6892-1: 2019</p>
	<p>Tensile at elevated temperature from 100°C to 500°C (Forces 2kN to 600 kN)</p>	<p>ASTM E21-17e<sup>1</sup> BS EN ISO 6892-2: 2018</p>
	<p><u>Impact:</u> Charpy - V notch (Temperature -102°C to ambient and at -196°C)</p>	<p>ASTM A370- 20 ASTM E23-18 BS EN ISO 148-1: 2016</p>
	<p>Lateral Expansion Fracture appearance (% shear)</p>	<p>ASTM A370-20 ASTM E23-18 BS EN ISO 148-1: 2016</p>
	<p><u>Hardness:</u> Brinell (10/3000 HBW)</p>	<p>ASTM A370-20 ASTM E10-18 BS EN ISO 6506-1: 2014</p>
	<p>Rockwell (HRB &amp; HRC)</p>	<p>ASTM A370-20 ASTM E18-18 BS EN ISO 6508-1: 2016</p>
<p>Vickers (HV10 &amp; HV30)</p>	<p>ASTM E92-17 BS EN ISO 6507-1: 2018</p>	



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<p>METALS, ALLOYS and METAL PRODUCTS (cont'd)</p> <p>Ferrous and Non-Ferrous Castings, Forgings, Plate, Pipes and Tubes (cont'd)</p> <p>Low Alloy Carbon Steel and Stainless-Steel materials</p>	<p><u>Metallurgical Tests</u></p> <p>Average Grain size (Comparison method)</p> <p>Volume fraction</p> <p><u>Elemental Analysis</u> <u>Optical Emission Spectroscopy</u></p> <p>C, Si, Mn, P, S, Ni, Cr, Mo, Cu, Sn, Nb, V, Co, Ti, Ta, B, Al, W, As, N</p>	<p>ASTM E112-13</p> <p>ASTM E562-19e<sup>1</sup></p> <p>Documented In-House Method SOP TH017</p>
<p>END</p>		