

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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Accredited to  
ISO/IEC 17025:2017

### The University of Sheffield, Advanced Manufacturing Research Centre with Boeing

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Testing performed at the above address only

#### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
METALS, ALLOYS and METAL PRODUCTS including CASTINGS, ENGINE COMPONENTS and FORGINGS	<u>Mechanical Tests</u>  Hardness:  Knoop Test forces 25g, 50g, & 100g  Tensile:  (temperature - ambient) forces up to 50 kN	ASTM E384-17     BS EN ISO 6892-1 :2016 BS EN 2002-1:2005 ASTM E8/E8M-16a
METALS, ALLOYS and METAL PRODUCTS	<u>Metallurgical Tests</u>  Microstructural Examination  <u>Physical Tests</u>  Surface texture (Ra and Rz)	DIHM L.I.AMRC.04 Rev3    DIHM L.I.AMRC.07 Rev7 BS 1134:2010
<b>AMRC is accredited for a flexible scope that enables them to establish new and amended test methods, modification of existing methods and include newly revised or technically equivalent methods to conduct the activities detailed below, in accordance with their documented in-house procedure ASTC OP 1.0</b>	Static Uniaxial Force ( $\pm 2000\text{KN}$ )  Low cycle Fatigue, tensile/compressive and complex waveforms with: (a) Force control ( $\pm 1000\text{KN}$ ) (b) Displacement control ( $\pm 100\text{mm}$ )  Pressure (250 Bar)	DIHM developed using procedure ASTC OP 1.0
END		