

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



4192

Accredited to
ISO/IEC 17025:2005

The Advanced Manufacturing Research Centre with Boeing

Issue No: 003 Issue date: 21 December 2010

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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 & 500g Tensile: (temperature - ambient) forces up to 50 kN	BS EN ISO 4545:2007 ASTM E384-10 BS EN ISO 6892-1 :2009 BS EN 2002-1:2005 BS 4A4-1:Section 1:1966 ASTM E8/E8M-09
METALS, ALLOYS and METAL PRODUCTS	<u>Metallurgical Tests</u> Microstructural Examination <u>Physical Tests</u> Surface texture (Ra and Rz) Surface texture	DIHM L.I.AMRC.04 Iss1 Rev2 DIHM L.I.AMRC.07 Iss1 Rev2 BS 1134:Part 1:1988



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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 Iss1 Rev1	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 Iss1 Rev1
END		