

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 4016 Accredited to ISO/IEC 17025:2017	ITS Testing Services (UK) Limited (Derby Laboratory)	
	Issue No: 031 Issue date: 28 April 2022	
	c/o Rolls-Royce Mail Code: ELT-14 Elton Road PO Box 31 Derby DE24 8BJ	Contact: Dr N Cook Tel: +44 (0)1332 247966 E-Mail: Neil.Cook@Intertek.com Website: www.intertek.com
Testing performed by the Organisation at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address Elton Road PO Box 31 Derby DE24 8BJ	Local contact Dr N Cook	Engineering materials and products A
Address Gate 1A Sinfin A-Site Victory Road Derby DE24 8BJ	Local contact Dr N Cook	Fuels, Oils and Lubricants B
Address c/o Rolls Royce Materials Laboratory DA New Facility (Building 185) Filton Bristol BS34 7QE	Local contact Dr N Cook	Engineering Materials and Products Environmental Samples C
Address c/o Rolls Royce Fan Case Facility V19 Pilot Way Prospero Ansty Coventry CV7 9JR	Local contact Dr N Cook	Engineering Materials and Products Environmental Samples D
Address c/o Rolls Royce Skipton Road Barnoldswick BB18 5RU	Local contact Dr N Cook	Engineering Materials and Products Environmental Samples E



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	<u>Chemical and Physical Tests</u>		
FUELS AND LUBRICANTS	Density and Specific Gravity	DER-LAB-TP-001 based on IP367 and ASTM D4052	B
PROCESS WATER AND TRADE EFFLUENT	Conductivity	DER-LAB-TP-025 based on BS EN27888 and ISO 7888	B
	pH	DER-LAB-TP-026 based on ASTM E70	B
PROCESS WATER	Conductivity	ANS-LAB-TP-13	D
	Fluoride	BRI-LAB-TP-01 by Ion Selective Electrode	C
	Chloride	DER-LAB-TP-11-APP-49 to Airbus Standard AITM3-0035	B
	Acid (H ⁺), Base (OH ⁻) Concentration	BAR-LAB-TP-03 Acid/Base titration	E
	Elements, specifically: B, Na, Mg, Al, K, Ca, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Ag, Sb, Ba, Pb, Cd, Mo, P, Sn	DER-LAB-TP-117 to EN ISO 11885 by ICP-OES	B
	Chloride	DER-LAB-TP-98 based on ASTM D512-12 test method C by Ion Selective Electrode	B
	Sulphate, chloride, fluoride anions	DER-LAB-TP-012 based on ASTM D4327 and ASTM D5542	B
	Metals: Al, Cu and Zn	DER-LAB-TP-104 to Airbus Standard AITM3-0032 by ICP-OES	B
Non-volatile matter	DER-LAB-TP-99 to Airbus Standard AITM3-0038	B	



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METALS, ALLOYS AND METAL PRODUCTS	<u>Mechanical and Metallurgical Tests</u>		
	Vickers Hardness Test (30 kg)	BS EN ISO 6507-1:2018	E
	Vickers Hardness Test (10 kg and 30 kg)	BS EN ISO 6507-1:2018	A, C, D
Polycrystalline Metallic Materials	Vickers Low Load Hardness Test (0.2 kg, 0.5 kg & 1.0 kg)	BS EN ISO 6507-1:2018	A, C
	Residual Stress	DER-LAB-TP-131 based on BS EN 15305 and ASTM E2860, and National Physical Laboratory Measurement Good Practice Guide No 52 by X-Ray Diffraction	A
	<u>Chemical and Physical Tests</u>		
Titanium and titanium alloys	Hydrogen	DER-LAB-TP-124 by Inert Gas Fusion based on ASTM E1447	B
Stainless steel and aluminium, plated painted coated test panels or components	Corrosion Testing: Neutral Salt Spray	ISO 9227:2017 ASTM B117-18	B
Aeronautical and automotive components	Assessment of cleanliness: Residue Quantity Particle Size	DER-LAB-TP-078 based on RRP59016	B
Iron, steel, nickel alloys and titanium alloys	Oxygen, Nitrogen	DER-LAB-TP-030 based on ASTM E1019 and ASTM E1409	B
Nickel based alloys from Rolls Royce Casting facility	Elements, specifically: Al, Co, Cr, Fe, Hf, Mo, Nb, Ni, Re, Ta, Ti, W and Zr	DER-LAB-TP-037 based on ASTM E2465	B
Steel and nickel alloys	Carbon, Sulphur	DER-LAB-TP-029 based on ASTM E1019	B

END