

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: 034 Issue date: 27 March 2025

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
Address Gate 1A Sinfin A-Site Victory Road Derby DE24 8BJ	Local contact Dr N Cook	Fuels, Oils and Lubricants
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
Address c/o Rolls Royce Skipton Road Barnoldswick BB18 5RU	Local contact Dr N Cook	Engineering Materials and Products Environmental Samples
Address ITP Aero UK Harrier Business Park Dorey Way Hucknall Nottingham NG15 6EU	Local contact Dr N Cook	Environmental Samples



4016
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

ITS Testing Services (UK) Limited
(Derby Laboratory)
Issue No: 034 Issue date: 27 March 2025

Testing performed by the Organisation at the locations specified

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
FUELS AND LUBRICANTS	<u>Chemical and Physical Tests</u>		
	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 (clean water and demineralised water)	Acid (H ⁺) Base (OH ⁻) Concentration	BAR-LAB-TP-03 Acid/Base titration	D
PROCESS WATER (clean water and demineralised water)	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
PROCESS WATER (clean water and demineralised water)	Sulphate, chloride, fluoride anions	DER-LAB-TP-012 based on ASTM D4327 and ASTM D5542	B
TRADE EFFLUENT	Chemical Oxygen Demand	DER-LAB-TP-045 using closed digestion and colourimetry	B
TRADE EFFLUENT	Suspended Solids	DER-LAB-TP-041 using gravimetry	B
PROCESS WATER (Process tank solutions)	Elements, specifically: Al, Cr, Fe, Ni, Ti, V	DER-LAB-TP-117-APP-003 by ICP-OES	B
PROCESS WATER (Process tank solutions)	Elements, specifically: Y	DER-LAB-TP-117-APP-004 by ICP-OES	B
PROCESS WATER (clean water driven from diluted cleaning solutions)	Nitrate	HUC-LAB-TP-004 using spectrophotometry	E
PROCESS WATER (Process tank - acid/alkali-based cleaning solutions)	Acid (H ⁺) Base (OH ⁻) Concentration	HUC-LAB-TP-002 (APPS 01, 26, 04, 08, 25, 27, 37, 40, 43, 44, 50, 54, 63) using an auto-titrator	E



4016
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

ITS Testing Services (UK) Limited
(Derby Laboratory)
Issue No: 034 Issue date: 27 March 2025

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
PROCESS WATER (clean water driven from diluted cleaning solutions)	<u>Chemical and Physical Tests Continued:</u>		
	Fluoride	HUC-LAB-TP-003 and ion selective electrode	E
	<u>Mechanical and Metallurgical Tests</u>		
	Vickers Hardness Test (30 kg)	BS EN ISO 6507-1:2018	D
	Vickers Hardness Test (10 kg and 30 kg)	BS EN ISO 6507-1:2018	A, C
	Vickers Low Load Hardness Test (0.2 kg, 0.5 kg & 1.0 kg)	BS EN ISO 6507-1:2018	A,C
Polycrystalline Metallic Materials	Vickers Hardness Test (5 kg)	BS EN ISO 6507-1:2018	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



4016
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

ITS Testing Services (UK) Limited
(Derby Laboratory)
Issue No: 034 Issue date: 27 March 2025

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
METALS, ALLOYS AND METAL PRODUCTS	<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	BS EN ISO 9227:2022 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			