


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>10121</p> <p>Accredited to ISO/IEC 17025:2017</p>	UTAC UK Ltd	
	Issue No: 013 Issue date: 29 October 2025	Contact: Jeanette Lancaster Tel: +44 (0)1525 408402 E-Mail: jeanette.lancaster@utac.com Website: www.utac.com
Aston Way Leyland Preston Lancashire PR26 7TZ		
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
AEROSPACE COMPONENTS, EQUIPMENT, MATERIALS AND STRUCTURES	<u>ENVIRONMENTAL TESTS</u> (non-explosive items)	
AGRICULTURAL EQUIPMENT	CLIMATIC Single Parameters	
COMPUTERS & PERIPHERALS	HIGH TEMPERATURE (Constant and cyclic)	BS EN 60068-2-2:2007
CONSTRUCTION PLANT AND EQUIPMENT	Max temp: + 120 °C Max chamber size: 3 m x 4 m x 6 m	
ELECTRICAL CABLES	LOW TEMPERATURE (Constant and cyclic)	BS EN 60068-2-1:2007
ELECTRICAL/ELECTRONIC PRODUCTS AND COMPONENTS	Min temp: - 40 °C Max chamber size: 3 m x 4 m x 6 m	
ELECTRO-MECHANICAL DEVICES	TEMPERATURE CHANGE (Thermal Shock) (Manual Transfer)	BS EN 60068-2-14:2009 BS EN 60068-2-14:2023
HYDRAULIC EQUIPMENT AND FITTINGS	Max temp: + 120 °C Min temp: - 40 °C	
INSTRUMENTS: INDICATING/RECORDING	Limiting chamber size: 3 m x 4 m x 6 m	
MARINE EQUIPMENT	Max temp: +120 °C Min temp: -40°C	
MINING PLANT AND EQUIPMENT	Limiting chamber size: 3 m x 4 m x 6 m	
RAILWAY AND ROLLING STOCK	HUMIDITY (Static)	BS EN 60068-2-78:2002 BS EN 60068-2-78:2013
MOTOR VEHICLES	Humidity range: 20 % to 98 % rh Max chamber size: 3 m x 4 m x 6 m	IEC 60068-2-78:2001



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<p>Continued from Page 1</p> <p>MOTORS: ELECTRICAL AND HYDRAULIC</p> <p>PLASTICS AND PRODUCTS</p> <p>PRINTED CIRCUIT BOARDS</p> <p>STRUCTURES, COMPONENTS AND FITTINGS</p> <p>TELECOMMUNICATION EQUIPMENT</p>	<p><u>ENVIRONMENTAL TESTS</u> (non-explosive items) (cont'd)</p> <p>HIGH HUMIDITY (Cyclic)</p> <p>Temp range: + 25 °C to + 55 °C Humidity range: 20% to 98% rh Max chamber size: 3 m x 4 m x 6 m</p>	<p>BS EN 60068-2-30:2005</p>



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<p>As listed on Pages 1 & 2</p> <p>INTERNAL MATERIALS - AUTOMOTIVE, AEROSPACE, RAIL, MARINE, etc</p> <p>COATED PARTS, FASTENERS, BODY & WHITE SECTIONS</p> <p>TRIM SECTIONS</p>	<p><u>MATERIALS TESTING</u></p> <p>FLAMMABILITY <i>Polymeric Interior Materials Horizontal Test Method</i></p> <p>SALT SPRAY TESTING <i>Max chamber size: 1.0m x 1.0m x 2.0m</i></p> <p>Temp Range: 25 °C to 45 °C</p> <p>TENSILE TESTING 180° Peel Adhesion Strength Test <i>Tension loads up to 5kN</i></p>	<p>Documented In-House Procedure UTAC internal procedure MPG1384 Rev 20</p> <p>BS AU 169a:1992</p> <p>DIN 75200:1980 Volvo VCS 5031.19 Iss 3 NES M0094:2021 CMVSS 302 (Canadian Technical Standards Document TP302 revision 0R) BMW GS 97038 2020-02 Contran 498/2014 Lotus BTR TP 925 version 2 Japanese Std JIS D 1201:1998 Japanese TRIAS 20-J027-01(11- 1-4-26) Toyota TSM0500G Rev 15 Volkswagen AG TL 1010 Issue 2008-01 SAE J369 2013-06 ISO 3795: 1989 GSO 98/1988 Chinese GB 8410-2006 General Motors GMW 3232 FMVSS 302:1998</p> <p>ASTM B117-19 DIN 50 021-SS:1988 ISO 9227:2022 TP JLR.52.252 Issue 01 BS EN 60068-2- 11:2021 Documented In-House Procedure MG-1582 based on Ford FLTM BN 151-05</p>



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BODYSHELLS CENTRE CONSOLES COMPUTERS & PERIPHERALS ELECTRICAL CABLES ELECTRICAL EQUIPMENT GEAR ASSEMBLIES PAS EQUIPMENT PLASTICS AND PRODUCTS PRINTED CIRCUIT BOARDS RESONATORS/EXPANSION TANKS ROOF CONSOLES ROOF LINERS SIGNALLING EQUIPMENT	<p><u>VIBRATION TESTS</u> (non-explosive items)</p> <p>DYNAMIC</p> <p>VIBRATION (electromagnetic) Sine, random, broadband random, swept sine, fixed sine dwell, sine-on-random, random-on-random - with slip table facility</p> <p>Ambient and with temperature</p> <p>Freq range: 3 to 2500 Hz Max peak thrust: 40 kN Max payload (vertical): 454 kg</p> <p>Max temp: + 120 °C Min temp: - 40 °C Chamber size: Bespoke size</p>	<p>BS EN 60068-2-6:2008 BS EN 60068-2-64:2008 BS EN 60068-2-64 :2008+A1 :2019 IEC 60068-2-64:2008 IEC 60068-2-6:2007</p>



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<p>As listed on Page 3 +</p> <p>STEERING ASSEMBLIES</p> <p>SUB-SEA CONNECTORS</p> <p>TELECOMMUNICATION EQUIPMENT</p> <p>TURBOCHARGERS</p>	<p><u>VIBRATION TESTS</u> (non-explosive items) (cont'd)</p> <p>SHOCK / BUMP</p> <p>Classical shock with half sine, initial and terminal peak sawtooth, trapezoidal, and rectangular pulse shape</p> <p>- Horizontal & Vertical half sine, sawtooth Max item mass: 454 kg</p> <p>Severity: 1 g to 40 g Duration: 1 ms to 70 ms (severity dependent)</p> <p>- ambient & with temperature (prefabricated enclosure) Max temp: + 120 °C Min temp: - 40 °C</p>	<p>BS EN 60068-2-27:2009 IEC 60068-2-27:2008</p>



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SEATS AND THEIR COMPONENTS	<p><u>SEAT PERFORMANCE TESTS</u></p> <p>OCCUPANT INGRESS/EGRESS</p> <p>Automated using purpose-built robots</p> <p>PRESSURE MAPPING</p> <p>AIRBAG DEPLOYMENT</p> <p>Temperature range: - 40 °C to + 125 °C</p> <p>PERFORMANCE CHECKS</p> <p>a) Manual Seats</p> <ul style="list-style-type: none"> - Force (Operating Efforts) - Displacement - Free Play - Co-ordinates (H-Point) using FARO arm <p>b) Powered Seats</p> <ul style="list-style-type: none"> - Current - Co-ordinates (H-Point) using FARO arm <p>DURABILITY</p> <p>Manual & Powered Seats</p> <ul style="list-style-type: none"> - Track - Height - Recline - Lumbar - Head-rest - Tilt 	<p>Ford SDS ST-0035 JLR ST-7033 JLR ST-7044</p> <p>Documented In-House Procedure MPG-1362</p> <p>Ford AA-0001, 0002, 0013, 0015, and 0034 Nissan 5-24</p> <p>Ford ST-0007, 0011 Nissan 5-4-1, 5-4-2, 5-4-3, 5-6-5, 5-14-1 JLR 08-7010 JLR ST-7015, 7023, 7026, 7027, 7046, 7052, 7058, 7099, 7120</p> <p>Ford ST-. 0094</p> <p>Ford ST-0036, 0052, 0077, 0080, 0085, 0813 JLR ST-6037, 6039, 6051, 6052, 6055, 7033, 7036, 7042, 7043, 7044, 7081, 7082, 7085, 7106 Nissan 3-1-1, 3-1-2, 3-1-3, 3-7-1, 3-7-2, 3-13, 3-14, 3-15, 3-16, 3-17, 3-18 Version number captured in contract view.</p>



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SEATS AND THEIR COMPONENTS (cont'd)	<p><u>SEAT PERFORMANCE TESTS</u> (cont'd)</p> <p>HEATED SEAT DURABILITY AND PERFORMANCE CHECKS</p> <p>Temperature range: - 40 °C to + 125 °C (using standard chambers)</p>	JLR ST-7026
<p>AEROSPACE COMPONENTS, EQUIPMENT, MATERIALS AND STRUCTURES</p> <p>AGRICULTURAL EQUIPMENT</p> <p>COATED PARTS, FASTENERS BODY IN WHITE SECTIONS</p> <p>CONSTRUCTION PLANT AND EQUIPMENT</p> <p>ELECTRICAL/ELECTRONIC PRODUCTS AND THEIR COMPONENTS</p> <p>INSTRUMENTS: INDICATING AND RECORDING</p> <p>MARINE EQUIPMENT</p> <p>MINING PLANT & EQUIPMENT</p>	<p><u>DURABILITY TESTS</u></p> <p>STATIC TESTS</p> <p>Static/Low Frequency (Purpose Built Reaction frames) Ambient or high/low temperatures using either standard or prefabricated chambers</p> <p>Max specimen size: 20 m x 5 m x 5 m (L x W x H) Max Single Force: 250 kN (Hydraulic actuators) Max Temp: 120 °C Min Temp: - 40 °C</p> <p>Properties measured: Displacement, Mechanical Strain, , Pressure, Force</p>	Documented In-House Procedure MPG1591 in association with customer requirements



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<p>as listed on page 7 +</p> <p>MOTOR VEHICLES</p> <p>STRUCTURES, COMPONENTS & FITTINGS</p> <p>TRIM SECTIONS</p> <p>VEHICLES IN EEC & ECE CATEGORIES M1, M2, M3 N1, N2, N3 O1, O2, O3, O4</p>	<p><u>DURABILITY TESTS</u> (cont'd)</p> <p>DYNAMIC TESTS</p> <p>Purpose Built Rigs and Reaction Frames Tests Utilising Pneumatic/Hydraulic/Electric Actuators Measurement of: Force (Static and Dynamic), Displacement, Strain, Frequency Cycles Completed, at Failure</p> <p>Vibration (Hydraulic) Sinusoidal, Random, Sine on Random, Synthesised and Road Load Data with Slip Table Facilities Using Standard and Prefabricated Temperature Chambers as necessary Max specimen size: 20 m x 5 m x 5 m (L x W x H)Frequency Range: 1 to 350 Hz (force/stiffness dependent) Maximum Peak Thrust: 250 kN Maximum Payload: 3500 kg Maximum Displacement: 250 mm (pk/pk) Temperature Range: - 40 °C to + 120 °C</p>	<p>Documented In-House Procedures (as agreed with customers)</p> <p>Documented In-House Procedures (as agreed with customers)</p>
END		