


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>2498</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>Millbrook Proving Ground Ltd</p> <p>Issue No: 026 Issue date: 05 November 2021</p>	
	<p>Vehicle Test Facilities</p> <p>Millbrook</p> <p>Bedford</p> <p>MK45 2JQ</p>	<p>Contact: Mr Peter Davies</p> <p>Tel: +44 (0)1525 408210</p> <p>Fax: +44 (0)1525 403420</p> <p>E-Mail: peter.davies@utac.com</p> <p>Website: www.utac.com</p>
<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
PETROLEUM & PETROLEUM PRODUCTS	PERFORMANCE TESTS	Documented In-House Procedures and/or Standard Specifications involving the use of standard engines
Diesel	Injector nozzle coking	CEC-F-23-T-01(Peugeot XUD9) Issues 24, 24.1,25 and 26 CEC-F-98-08 (Peugeot DW10) Issues 6, 6.1, 6.2, 7, 8, 9, 10, 11 and 11.1
Gasolines	Valve sticking of gasoline fuels	CEC-F-16-A-96 Issues 5.3, 5.4, 5.5, 5.6, 5.7, 5.8, 5.9 and 6.0
	Inlet valve cleanliness (IVC)	CEC-F-05-A-93 (MB M102E) Issue 12.1 and 12.2
	Deposit forming tendency on intake valve and in combustion chambers of gasoline engines	CEC-F-20-A-98 (MB M111) Issues 12, 12.1, 12.2, 12.3, 12.4, 12.5, 12.6 and 12.7
MOTOR VEHICLES AUTOMOTIVE COMPONENTS AND EQUIPMENT RIGIDISED VEHICLES (VEHICLE BUCKS) AIRCRAFT SEATS	Frontal, rear, and side impact Simulation Using an acceleration Sled (Some tests include the use of anthropomorphic dummies)	EASA CS23.562 Amend 5 EASA CS25.562 Amend 26 EASA CS27.562 Amend 7 EASA CS29.562 Amend 8
	Seats, their Anchorages and Head Restraints Temperature range: 19 °C to 23 °C (ambient) Acceleration: 2 g to 250 g Load: up to 45 kN Pressure: 0.001 bar to 6 bar Displacement: up to 500 mm Voltage: 2.5 mV to 100 V Time: 0.1 ms to 1 s	ECE R17.08 Supp 04 ECE R17.09 Supp 01



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MOTOR VEHICLES	<p>Frontal, rear, and side full scale impact testing (Some tests include the use of anthropomorphic dummies)</p> <p>Lateral Protection Rear-end collision Frontal Collision Frontal Collision Frontal Collision (inc electric vehicles)</p> <p>Frontal Collision Side Collision Fuel Integrity</p> <p>Safety belt Anchorage</p> <p>Temperature range: 19 °C to 23 °C (ambient) Acceleration: 2 g to 2000 g Load: up to 200 kN Pressure: 0.001 bar to 6 bar Displacement: up to 500 mm Voltage: 2.5 mV to 100 V Time: 0.1 ms to 1 s Speed 1m/s to 25m/s</p>	<p>ADR69/00 2 Mar 2012 ADR73/00 29 Nov 2005 ADR29/00 19 Sep 2007 ADR72/00 29 Nov 2005</p> <p>CMVSS208 11 July 2018 CMVSS214 5 October 2016</p> <p>Contran Resolution 220/07 Contran Resolution 221/07 Contran Resolution 463/73</p> <p>ECE R95. 04ECE R32.00 Supp 01 ECE R33.00 Supp 02 ECE R94.03 Supp 2 TRIAS 18-J023-01</p> <p>FMVSS208 Vol 78 No 227 (25/11/13) FMVSS214 Vol 85 No. 249 (29/12/20) FMVSS301 Vol 77 No. 471 (12/04/13)</p> <p>ECE R14.09 Supp 1</p>



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<p>AEROSPACE COMPONENTS AND EQUIPMENT AUTOMOTIVE COMPONENTS AND ASSEMBLIES TRAIN COMPONENTS AND ASSEMBLIES PLASTIC COMPONENTS AND PRODUCTS STRUCTURES, COMPONENTS AND FITTINGS</p>	<p>ENVIRONMENTAL TESTS (Non- explosive items)</p> <p>CLIMATIC</p> <p>HIGH /LOW TEMPERATURE (Constant & cyclic) Max temp: 100 °C Min temp: -40 °C Max chamber size: 6 m x 4 m x 2.9 m</p> <p>HIGH TEMPERATURE (Solar Radiation) Thermal effects only Max temp: 115 °C Max power per controller: 1120 Wm² Radiation area: 2 m x 1 m</p> <p>HIGH HUMIDITY (Steady state) Temp range: 20 °C to 60 °C Humidity range: 30 %RH to 95 %RH Max chamber size: 3 m x 3 m x 2 m</p> <p>DYNAMIC</p> <p>VIBRATION</p> <p>Ambient temperature</p> <p>Electromagnetic vibrators - Sinusoidal & random spectra Frequency range: 5Hz to 2kHz Max thrust: 24kN (Vertical axis only)</p>	<p>Documented In-House Procedures, Customer Specifications, and International Standards</p> <p>BS EN 60068-2-1: 1993(1994) BS EN 60068-2-1: 2007 BS EN 60068-2-2: 1993 BS EN 60068-2-2: 2007</p> <p>BS EN 60068-2-5: 2011 DEF STAN 00-35 Part 3 Issue 4 Chapter 3-02 Test CL2 DEF STAN 00-35 Part 3 Issue 4 Chapter 3-06 Test CL6</p> <p>Documented In-House Procedures, Customer Specifications, and International Standards</p> <p>BS EN 60068-2-78: 2013 IEC 68-2-56: 1998</p> <p>BS EN 60068-2-6: 1996 BS EN 60068-2-6: 2008 BS EN 60068-2-64: 1995 BS EN 60068-2-64: 2008</p>



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BATTERY VEHICLES	Fire resistance testing	ECE R100.02, Amendment 4 – M & N Categories Clauses 6.5.1 and 6.5.2 Procedure, Annex 8E
END		