

<b>NORMATIVA</b>	<b>LIVELLO I</b>		
<b>Volkswagen - VW80000</b>	M-01 Free fall		
	M-02 Stone impact		
	M-03 Dust test		
	M-04 Vibration test		
	M-05 Mechanical shock		
	M-06 Continuous mechanical shock		
	M-07 Coolant circuit pressure pulsation test		
	K-01 High/low-temperature aging		
	K-02 Incremental temperature test		
	K-03 Low-temperature operation		
	K-05 K-16 Thermal shock		
	K-06 K-07 Salt spray		
	K-08 K-09 Damp heat, cyclic		
	K-10 Water protection - IPX0 to IPX6K		
	K-11 High-pressure cleaning/pressure washing		
	K-12 Thermal shock with splash water		
	K-13 Thermal shock - immersion		
	K-14 Damp heat, constant		
	K-15 Condensation and climatic test		
	K-17 Solar radiation		
	C-01 Chemical tests		
	L-01 Mechanical/hydraulic durability testing		
	L-02 High-temperature durability testing		
	L-03 Temperature cycle durability testing		
	<b>FCA - CS.00056</b>	Shipping/Storage Temperature Exposure (SSTE)	
		Low Temperature Operating Endurance (LTOE)	
		High Temperature Operating Endurance (HTOE)	
		Power Thermal Cycle Endurance (PTCE)	
		Thermal Shock (TS)	
		Thermal Humidity Cycle (THC)	
		High Temperature & High Humidity Endurance (HTHE)	
	Solar Radiation Soak		

	Mechanical Vibration	
	Mechanical Shock	
	Mechanical Shock Endurance	
	Handling Drop	
	Mechanical Operation Durability Requirement	
	Gravel Bombardment	
	Dust Intrusion	
	Mud Resistance	
	Water or Steam intrusion	
	Salt Water Immersion	
	Salt Fog	
	Chemical Exposure	
<b>McLaren - MSL.03.04.0001</b>	Shipping/Storage Temperature Exposure	
<b>Mercedes - MBN_10 305-1</b>	Low Temperature Operating Endurance	
	High Temperature Operating Endurance	
	Power Thermal Cycle Endurance	
	Thermal Shock	
	Thermal Shock Immersion	
	Thermal Humidity Cycle	
	High Temperature and Humidity Endurance	
	Solar Radiation Soak	
	Vibration	
	Mechanical Shock	
	Mechanical Shock Endurance	
	Package Drop	
	Handling Drop	
	Dust (and other solid intrusion)	
	Water Intrusion	
	High Pressure Steam Jet Exposure	
	Salt Water Immersion	
	Salt Fog	
	Chemical Exposure	

<b>Volvo - STD 1024,7132</b>	Stone chip resistance	
<b>Fiat - 50488</b>	Resistenza all'abrasione	
<b>AEC-Q200</b>	Board flex / Terminal Bond Strength Test	
	Shear Stress Test	
<b>BMW - GS 95003-5</b>	Chemical	
<b>BMW - GS 95003-4</b>	Stepped temperature test	
	Hot engine "OFF" temperature test	
	Respray oven stoving temperature test	
	Dewing test	
	Change of temperature test	
	Thermal shock test	
	Damp heat, steady-state	
	Damp heat, cyclic	
	Degree of protection	
	Salt spray test	
	Contamination	
<b>BMW - GS 95003-3</b>	Vibration loading with superimposed temperature	
	Mechanical shock test	
	Drop test	
	Stone chip test	
<b>BMW - GS 95024-3-1</b>	E-18 Insultation resistance	
	M-01 Free fall	
	M-02 Stone chip test	
	M-03 Dust test	
	M-04 Vibration test	
	M-05 Mechanical shock	
	M-06 Continuous mechanical shock	
	K-01 High/low-temperature aging	
	K-02 Temperature step test	
	K-03 Low-temperature operation	
	K-05 K-16 Thermal shock	
	K-06 K-07 Salt spray	

	K-08 K-09 Damp heat, cyclic	
	K-10 Protection against water - IPX0 to IPX6K	
	K-11 High-pressure/steam-jet cleaning	
	K-12 Thermal shock with splash water	
	K-13 Thermal shock immersion	
	K-14 Damp heat, steady state	
	K-15 Condensation and climatic test	
	K-17 Solar radiation	
	K-18 Corrosion test with flow of mixed gas	
	C-01 Chemical tests	
	L-01 Mechanical/hydraulic endurance test	
	L-02 High-temperature endurance test	
	L-03 Temperature cycle endurance test	
<b>Carraro STD N. 3-92-07/3</b>	CL-HT: High temperature soak test	
	CL-LT: Low temperature soak test	
	CL-TCA: Temperature cycle	
	CL-TCB: Alternative temperature cycle	
	CL-TCC: Customer temperature cycle	
	CL-TCD: Alternative customer temperature cycle	
	CL-TSA: Standard temperature shock	
	CL-TSB: Alternate temperature shock	
	CL-HS: Humidity soak	
	CL-DHS: Damp heat - steady state	
	CL-HUA: Standard humidity exposure	
	CL-HUB: Alternative humidity exposure	
	ML-PI: Particle impact	
	ML-HI: Handling - installation	
	ML-HBA: Standard handling - bench	
	ML-HBB: Alternative handling - bench	
	ML-SH: Mechanical shock	
	ML-RWA: Standard random vibration test - wheeled	
	ML-RWB: Alternate random vibration test - wheeled	
	ML-RC: Random vibration test - crawlers	

	ML-VT: Vibration test	
	ML-RTA: Standard resonance research	
	ML-RTB: Slow sine sweep vibration	
	ML-LD: Lifetime durability test	
	ENC-CAA: Standard corrosive atmosphere	
	ENC-CAB: Alternate corrosive atmosphere	
	ENC-DU: Dust	
	ENC-WS: Water spray	
	ENC-WI: Water immersion	
	END-WP: Pressure washing	
	ENC-APT: Air pressure - transport	
	ENC-APO: AIR PRESSURE OPERATIONAL	
	ENC-CH: CHEMICAL BRUSH OR SPRAY	
	ENC-UV: SOLAR RADIATION	ENC-UVA: ULTRAVIOLET AND HUMIDITY
		ENC-VB: ULTRAVIOLET
	TEMPERATURE + HUMIDITY + STEADY STATE SUPPLY VOLTAGE + VIBRATION	
	TEMPERATURE + HUMIDITY + STEADY STATE SUPPLY VOLTAGE	
	TEMPERATURE CYCLES + PRESSURE WASHING	