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Registration No. CNAS L0032

Accreditation Criteria: ISO/IEC 17025:2017 and relevant requirements of CNAS

Effective Date: 2023-09-11 Expiry Date: 2028-09-04

SCHEDULE 3 ACCREDITED TESTING SCOPE

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
一、engines						
1、Vehicle Engine						
1	Vehicle Engine	1	Exhaust pollutants、OBD and NOx control、durability	Limits and measurement methods for emissions from diesel fuelled heavy-duty vehicles (CHINA VI) GB17691-2018		2022-10-12
2	Vehicle Engine	1	Exhaust pollutants of vehicle engine	Limits and measurement methods for exhaust pollutants from compression ignition and gas fuelled positive ignition engines of vehicles (III, IV, V) GB 17691-2005		2022-10-12
3	Vehicle Engine	1	Exhaust pollutants of vehicle engine	Technical specification for on-road diagnostic(OBD) system of compression ignition and gas fuelled positive ignition engines of vehicles HJ 437-2008		2022-10-12
4	Vehicle Engine	1	Exhaust pollutants	Durability of Emission Control Systems of compression ignition		2022-10-12

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			of vehicle engine	and gas fuelled positive ignition engines of vehicles HJ 438-2008		
5	Vehicle Engine	1	Exhaust pollutants of vehicle engine	In-service conformity of compression ignition and gas fuelled positive ignition engines of vehicles HJ 439-2008		2022-10-12
6	Vehicle Engine	1	Exhaust pollutants of vehicle engine	Limits and measurement methods for exhaust pollutants from diesel engines of urban vehicles (WHTC) HJ 689-2014		2022-10-12
7	Vehicle Engine	1	durability of emission control syetems for heavy-duty vehicles	Test procedures and requirement of durability of emission control syetems for heavy-duty vehicles GB 20890-2007		2022-10-12
8	Vehicle Engine	1	Exhaust pollutants of vehicle engine	Regulation (EC) 715/2007 of the European Parliament and of the Council Directive (EC) 715/2007 2007/46/EC and revocation of Directive 80 on motor vehicle type approval and exhaust emissions from engines used in heavy vehicles (VI) and access to and modification of vehicle repair and maintenance information /1269/EEC, 2005/55/EC and 2005/78/EC No 595/2009 (EC)715/2007 号:2007/46 / EC.80/1269 / EEC,2005/55 / EC 和 2005/78 / EC No 595/2009		2022-10-12
9	Vehicle Engine	1	Exhaust pollutants of vehicle engine	Rerulation of the european parliament and of the council on type-approval of motor vehicles and engines with respect to emissions from heavy duty vehicles (Euro VI) and on access to vehicle repair and maintenance information and amending Regulation (EC) N ECE No 582/2011		2022-10-12
10	Vehicle Engine	1	Exhaust pollutants of vehicle engine	implementing Directive 2005/55/EC of the European Parliament and of the Council on the approximation of the laws of the Member States relating to the measures to be taken against the emission of gaseous and particulate pollutants from compression-ignition engines for use in vehicles, and the emission of gaseous 2005/78/EC		2022-10-12
11	Vehicle Engine	1	Exhaust pollutants	on the approximation of the laws of the Member States relating to		2022-10-12

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			of vehicle engine	the measures to be taken against the emission of gaseous and particulate pollutants from compression-ignition engines for use in vehicles, and the emission of gaseous pollutants from positive-ignition engines fuelled with natural gas or liquefied petroleum gas for use in vehicles 2005/55/EC		
12	Vehicle Engine	1	Exhaust pollutants of vehicle engine	Amendments to Annex 1 of 2005/55/EC by the European Parliament and the Commission and Amendments to Annexes IV and V of 2005/78/EC concerning the requirements for exhaust control systems used in vehicles and the exemption of gas engines 2006/51/EC		2022-10-12
13	Vehicle Engine	1	performance	Small and medium power internal combustion engines-Part1:General requirements/amending list1-2018 GB/T1147.1-2017/XG1-2018		2022-10-12
14	Vehicle Engine	1	performance	Small and medium power internal combustion engines-Part2:Test methods GB/T1147.2-2017		2022-10-12
15	Vehicle Engine	1	performance	Measurement methods of net power for automotive engines GB/T 17692-1999		2022-10-12
16	Vehicle Engine	1	performance	ECE No.85 measurement of engine power ECE R85/00 (2004)		2022-10-12
17	Vehicle Engine	1	Exhaust pollutants of vehicle engine	Uniform provisions concerning the approval of compression-ignition(C.I) and natural gas(NG) engines as well as positive-ignition(P.I) engines fuelled with liquefied petroleum gas (LPG) and vehicles equipped with C.I. and NG engines and P.I. engines fuelled with LPG ,with regard to the emissions of pollutants by the engine ECE R49/06		2022-10-12
18	Vehicle Engine	1	exhaust smoke from Compression Ignition Engine	Uniform provisions concerning :The approval of compression ignition(C.I) engines with regard to the emission of visible pollutants,the approval of motor vehicles with regard to the installation of C.I.engines of an approved type,the approval of motor vehicles equipped with C.I.engines with regard to the emission of visible pollutants by the engine,the measurement of		2022-10-12

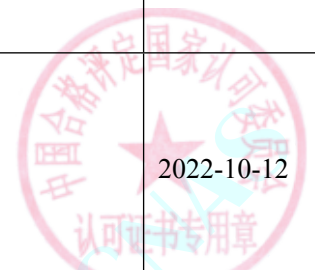
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				power of C.I.engine ECE R24/03 (2008)		
19	Vehicle Engine	1	Visible pollutants in exhaust of compression ignition engine	Limits and measurement methods for emissions from diesel vehicles under free acceleration and lugdown cycle GB 3847-2018		2022-10-12
二、diesel mobile machinery						
1、non-road mobile machinery equipped with diesel engine						
1	Engines for off-road diesel mobile machinery	1	exhaust smoke from Compression Ignition Engine	Limits and measurement methods for exhaust pollutants from diesel engines of non-road mobile machinery (China III,IV) GB20891- 2014		2022-10-12
2	Engines for off-road diesel mobile machinery	1	exhaust smoke from Compression Ignition Engine	Limits and measurement methods for exhaust pollutants from diesel engines of non-road mobile machinery (China III,IV) Amendment order GB20891- 2014 修改单		2022-10-12
3	Engines for off-road diesel mobile machinery	1	exhaust smoke from Compression Ignition Engine	Emissions control technical requirements of non-road diesel mobile machinery HJ1014-2020		2022-10-12
4	Vehicle Engine	1	Exhaust pollutants of vehicle engine	Supplementary Regulation (EU) 2017/654: (EU) 2018/989 Supplement to the technical and general requirements for amending and changing the European Parliament and of the Council concerning (EU) 2016/1628 Directive (EU) 2016/1628 on emission limits and type approval of non-road mobile machinery internal combustion engines Ordinance (EU) 2018/989		2022-10-12
5	Vehicle Engine	1	Exhaust pollutants of vehicle engine	Uniform Requirements for Pollutant Emissions Type Approval for Engines Intended for Use in Agricultural and Forestry		2022-10-12



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				Tractors and Non-Road Mobile Machinery R96.05		
三、new energy power system						
1、battery						
1	Power battery for electric vehicle	1	Capacity and energy at room temperature	Cycle life requirements and test methods for traction battery of electric vehicle GB/T 31484-2015 6.2		2023-09-11
		2	Power at room temperature	Cycle life requirements and test methods for traction battery of electric vehicle GB/T 31484-2015 6.3		2023-09-11
		3	Standard cycle life	Cycle life requirements and test methods for traction battery of electric vehicle GB/T 31484-2015 6.4		2023-09-11
2、Fuel cell engine						
1	Fuel cell engines	1	Start test	Performance test of methods for fuel cell engines GB/T 24554-2009 7.3		2023-09-11
		2	Rated power test	Performance test of methods for fuel cell engines GB/T 24554-2009 7.4		2023-09-11
		3	Peak power test	Performance test of methods for fuel cell engines GB/T 24554-2009 7.5		2023-09-11
		4	Dynamic response test	Performance test of methods for fuel cell engines GB/T 24554-2009 7.6		2023-09-11
		5	Steady-state characteristic test	Performance test of methods for fuel cell engines GB/T 24554-2009 7.7		2023-09-11
		6	Emergency shutdown function test	Performance test of methods for fuel cell engines GB/T 24554-2009 7.8		2023-09-11
		7	Fuel cell engine airtightness test	Performance test of methods for fuel cell engines GB/T 24554-2009 7.9		2023-09-11
		8	Insulation resistance test	Performance test of methods for fuel cell engines GB/T 24554-2009 7.10		2023-09-11



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		9	Weight test	Performance test of methods for fuel cell engines GB/T 24554-2009 7.11		2023-09-11
2	Fuel cell engines	1	Rated output power	Test method for related technical specifications of power cells and fuel cells (Trial) 中机函[2017]2号 3		2023-09-11
四、vehicle						
1、New energy vehicles						
1	Fuel cell electric vehicle	1	Low residual hydrogen removal	Fuel cell electric vehicle-Safety requirements GB/T 24549-2020 4.1.3		2023-09-11
		2	Installation location requirement	Fuel cell electric vehicle-Safety requirements GB/T 24549-2020 4.2.1.1		2023-09-11
		3	Thermal insulation requirement	Fuel cell electric vehicle-Safety requirements GB/T 24549-2020 4.2.1.2		2023-09-11
		4	Antistatic requirement	Fuel cell electric vehicle-Safety requirements GB/T 24549-2020 4.2.1.3		2023-09-11
		5	Pressure relief system requirement	Fuel cell electric vehicle-Safety requirements GB/T 24549-2020 4.2.2		2023-09-11
		6	Hydrogenation and receptacle requirement	Fuel cell electric vehicle-Safety requirements GB/T 24549-2020 4.2.3		2023-09-11
		7	Hydrogen leakage and detection of fuel lines	Fuel cell electric vehicle-Safety requirements GB/T 24549-2020 4.2.4		2023-09-11
		8	Hydrogen leak of the vehicle (in - vehicle requirements)	Fuel cell electric vehicle-Safety requirements GB/T 24549-2020 4.1.2.1		2023-09-11
		9	Hydrogen leakage alarm function	Fuel cell electric vehicle-Safety requirements GB/T 24549-2020 4.2.5		2023-09-11



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			device functional requirement			
		10	Fuel discharge requirement	Fuel cell electric vehicle-Safety requirements GB/T 24549-2020 4.2.6		2023-09-11

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