CERTIFICATE OF ACCREDITATION

This is to attest that

TESTNET CANADA INC.

#9669 201 STREET, LANGLEY, BRITISH COLUMBIA V1M 3E7, CANADA
SECOND FACILITY: UNIT 140, 9347 200A STREET, LANGLEY, BRITISH COLUMBIA V1M 0B3, CANADA

Testing Laboratory TL-782

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories.* This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date February 5, 2024

IAS ACCREDITED

President

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

TESTNET CANADA INC.

Contact Name Joe Wong **Contact Phone** +1-604 4991964

Accredited to ISO/IEC 17025:2017 *Effective Date February 5, 2024*

Mechanical	
Addendum 13: Global technical regulation No. 13	Global technical regulation on hydrogen and fuel cell vehicles Section 5.1 Performance requirements – Compressed Hydrogen Storage System Section 5.1.1 Verification tests for baseline metrics Section 5.1.2 Verification test for performance durability (hydraulic sequential tests) Section 5.1.3 Verification test for expected on-road system performance (pneumatic sequential tests) Section 5.1.4 Verification test for service terminating system performance in Fire Section 5.1.5 Verification test for performance durability of primary closures Section 6.2 Test procedures for the compressed hydrogen storage system
Addendum 109 – Regulation No. 110 of the Economic Commission for Europe of the United Nations (UN/ECE)	Uniform provisions concerning the approval of: I. Specific components of motor vehicles using compressed natural gas (CNG) and/or liquefied natural gas (LNG) in their propulsion system II. Vehicles with regard to the installation of specific components of an approved type for the use of compressed natural gas (CNG) and/or liquefied natural gas (LNG) in their propulsion system Annex 3A Gas cylinders – High pressure cylinder for the on-board storage of natural gas as a fuel for automotive vehicles Annex 4 CNG components Section 4A Provisions on the approval of the CNG automatic valve, non-return valve, pressure relief valve, pressure relief device (temperature triggered), excess flow valve, manual valve and the pressure relief device (pressure triggered) Section 4B Provisions on the approval of flexible fuel lines or hoses for CNG and hoses for LNG Section 4C Provisions on the approval of the CNG filter Section 4D Provisions on the approval of the CNG pressure regulator Section 4E Provisions on the approval of the CNG pressure and temperature sensors Section 4F Provisions on the approval of the CNG filling unit (Receptacle) Section 4G Provisions on the approval of CNG gas flow adjuster and gas/air mixer, gas injector or fuel rail
ANSI HGV 2 (2023)	Compressed hydrogen gas vehicle fuel containers

ANSI HGV 3.1 (2022)	Fuel system components for compressed hydrogen gas-powered vehicles excluding Sections 5.9 and 5.11
ANSI HPRD 1 (2021)	Thermally activated pressure relief devices for compressed hydrogen vehicle fuel containers
ANSI NGV 3.1 (2020)	Fuel system components for compressed natural gas-powered vehicles
ANSI PRD 1 (2020)	Pressure relief devices for natural gas vehicle (NGV) fuel containers (excluding Section 7.7)
Commission Regulation (EU) No 406/2010 of 26 April 2010 implementing Regulation (EC) No 79/2009 of the European Parliament and of the Council on type-approval of hydrogen-powered motor vehicles	ANNEX IV Requirements for hydrogen components and systems designed to use compressed (gaseous) hydrogen and their installation on hydrogen powered vehicles Part 2 Requirements for hydrogen containers designed to use compressed (gaseous) hydrogen (excluding clause 4.1) Part 3 Requirements for hydrogen components other than containers designed to use compressed (gaseous) hydrogen (excluding clause 4.1)
CSA/ANSI NGV 2 (2019)	Compressed Natural Gas Vehicle Fuel Containers
EN 12245:2009+A1:2011	Transportable gas cylinders - Fully wrapped composite cylinders excluding Sections 5.2.1, 5.2.2, 5.2.3 and 5.2.15
ISO 11119-3 (2020)	Gas cylinders - Refillable composite gas cylinders and tubes Part 3: Fully Wrapped fibre reinforced composite gas cylinders and tubes up to 450L with non-load-sharing metallic or non-metallic liners
ISO 11439 (2021)	Gas cylinders - High pressure cylinders for the on-board storage of natural gas as a fuel for automotive vehicles
ISO 17268 (2012), ed. 2	Gaseous hydrogen land vehicle refueling connection devices (excluding clauses 5.4, 5.10, 5,11, 5.12, and 5.20)
Addendum 133 Regulation No 134 of the Economic commission for Europe of the United Nations (UN/ECE)	Uniform provisions concerning the approval of motor vehicles and their components with regard to the safety-related performance of hydrogen fueled vehicles (HFCV) [2019/795] Section 5 Part I – Specifications of the compressed hydrogen storage system Section 5.1 Verification tests for baseline metrics Section 5.2 Verification test for performance durability (hydraulic sequential tests) Section 5.3 Verification test for expected on-road system performance (pneumatic sequential tests) Section 5.4 Verification test for service terminating system performance in Fire Section 5.5 Verification test for performance durability of primary closures Section 6 Part II – specifications of specific components for the compressed hydrogen storage system

	Section 6.1	TPRD requirements
	Section 6.2	Check valve and automatic shut-off valve requirements
	ANNEX 3	Test procedures for the compressed hydrogen storage system
	ANNEX 4	Test procedures for specific components for the compressed hydrogen storage system
SAE J2600 (2015)	Compressed Hydrogen Surface Vehicle Fueling Connection Devices (excluding clauses 5.4, 5.10, 5.11, 5.12 and 5.20)	