Transportation of Dangerous Goods Directorate
L'Esplanade Laurier
300 Laurier Avenue West
Ottawa, Ontario
K1A 0N5

Direction générale du transport des marchandises dangereuses
L'Esplanade Laurier
300, avenue Laurier Ouest
Ottawa (Ontario)
K1A 0N5

Equivalency Certificate
(Approval issued by the competent authority of Canada)

Certificate No.: SU 10638 (Ren. 21)

Certificate Type: N/A

Certificate Holder: SEI Industries Ltd.

Mode of Transport: Air, Road, Rail, Marine

Effective Date: June 8, 2020

Expiry Date: December 31, 2022

LEGEND

For the purposes of this equivalency certificate, documents referred to by an abbreviation have the following meaning:

***TDG Act*:** *Transportation of Dangerous Goods Act, 1992*

***TDG Regulations*:** *Transportation of Dangerous Goods Regulations*

NOTES

Note 1: Subsection 31(4) of the *TDG Act* stipulates that any non-compliance with the conditions of this equivalency certificate will result in the provisions of the *TDG Act* and *TDG Regulations* to apply as though this equivalency certificate did not exist.

Note 2: This equivalency certificate provides no regulatory relief other than specifically stated herein. Therefore, all other requirements of the *TDG Act* and the *TDG Regulations* apply.

PURPOSE

This equivalency certificate allows the certificate holder to transport by aircraft, in Bulk Aviation Transport Tank (BATT), dangerous goods that are:

- UN1202, DIESEL FUEL, Class 3, Packing Group III, or
- UN1863, FUEL, AVIATION, TURBINE ENGINE, Class 3, Packing Group III,

in a manner that does not comply with subparagraph 12.9(1)(c)(i) and paragraph 12.9(5)(b) of the *TDG Regulations*. The air operator is authorized to transport dangerous goods as a 705 Air Operator while following the requirements set out in section 12.9 - Limited Access of the *TDG Regulations*.

CONDITIONS

AIR

1. This equivalency certificate authorizes **SEI Industries Ltd.** to handle, offer for transport or transport, and authorizes any person to handle, offer for transport or transport, by cargo aircraft, dangerous goods that are:

    - UN1202, DIESEL FUEL, Class 3, Packing Group III, or
    - UN1863, FUEL, AVIATION, TURBINE ENGINE, Class 3, Packing Group III,

    in a manner that does not comply with:

    - subsection 12.1(2) of the *TDG Regulations*, with regards to the selection and use of a large means of containment,

    if the following conditions are met:

    (a) The dangerous goods are transported in compliance with section 12.9 – Limited Access of the *TDG Regulations*, except subparagraph 12.9(1)(c)(i) and paragraph 12.9(5)(b);

    (b) The dangerous goods are transported by aircraft referred to in Subpart 4 of Part VI and Subparts 1 to 5 of Part VII of the *Canadian Aviation Regulations*;

    (c) The dangerous goods are loaded aboard the cargo aircraft at the last aerodrome of departure and no stops are permitted at any other aerodrome except for emergency reasons or refueling;

(d) The dangerous goods are loaded in a flexible tank that meets all the requirements set out in the "Bulk Aviation Transport Tank (BATT) Specification" Rev. E, dated November 16, 2018, on file with the Executive Director, Regulatory Frameworks and International Engagement, Regulatory Affairs Branch, Transportation of Dangerous Goods Directorate, Transport Canada;

(e) The flexible tank is designed, manufactured, and fitted with service equipment, harnesses and fixations that comply with one of the design-type specifications listed in Appendix A of this certificate that are on file with Executive Director, Regulatory Frameworks and International Engagement, Regulatory Affairs Branch, Transportation of Dangerous Goods Directorate, Transport Canada;

(f) A representative sample of each flexible tank design-type specification has been tested in accordance with the First Article Provisions set out in section 7 of the "Bulk Aviation Transport Tank (BATT) Specification" Rev. E, and the test results are on file with the Executive Director, Regulatory Frameworks and International Engagement, Regulatory Affairs Branch, Transportation of Dangerous Goods Directorate, Transport Canada;

(g) The flexible tanks are inspected prior to transport, secured to the aircraft, filled and emptied in accordance with the Use Provisions set out in section 6 of the "Bulk Aviation Transport Tank (BATT) Specification" Rev. E;

(h) The Initial Wet Date, formatted as the 2 digits for the month followed by the last 2 digits of the year, is marked on the flexible tank after the tank is first filled with the liquid dangerous goods;

(i) An Inspection Date is marked in the flexible tank's Semi-Annual Inspection Log, which is kept with the tank, after the tank was visually inspected in accordance with the "Bulk Aviation Transport Tank (BATT) Specification" Rev. E;

(j) Less than 6 months has passed since the Initial Wet Date or latest inspection date marked on the tank or 12 months since the manufacturing date, whichever comes first;

(k) The flexible tank is loaded and unloaded using equipments and methods that ensure that:

  (i) no discharge of static electricity will or is likely to occur, and

  (ii) no other source of ignition presents a danger to the loading or unloading operation;

(l) All flexible hoses and their couplings that are used for loading and unloading the flexible tank have been inspected visually to ensure mechanical fitness, integrity, and compatibility with the dangerous goods before loading or unloading;

(m) The air operator ensures that the personnel handling and transporting the dangerous goods are trained in regards to the conditions of this equivalency certificate that relate directly to the person's duties;

(n) A paper or electronic copy of this equivalency certificate accompanies the dangerous goods during transport and must be provided to an inspector immediately upon request; and

(o) The tank is returned to SEI Industries Ltd., for factory inspection at the end of year 5 and year 7 of the service life of the tank;

ROAD, RAIL, MARINE

2. This equivalency certificate authorizes **SEI Industries Ltd.** to handle, offer for transport or transport, and authorizes any person to handle, offer for transport or transport, by road or railway vehicle, or by vessel in Canada, dangerous goods that are:

    - UN1202, DIESEL FUEL, Class 3, Packing Group III, or
    - UN1863, FUEL, AVIATION, TURBINE ENGINE, Class 3, Packing Group III,

    in a manner that does not comply with:

    - Part 3 of the *TDG Regulations*,
    - Part 4 of the *TDG Regulations*,
    - subsection 5.1.1(1) of the *TDG Regulations*,
    - sections 5.12 of the *TDG Regulations,* and
    - section 5.14 of the *TDG Regulations*,

    (a) if the following conditions are met:

    (b) The flexible tank contains a residual quantity of dangerous goods;

    (c) The flexible tank is emptied to the maximum extent possible, rolled and folded as instructed by the manufacturer; and

    (d) A paper or electronic copy of this equivalency certificate accompanies the dangerous goods during transport and must be provided to an inspector immediately upon request.

Signature of Issuing Authority

David Lamarche, P. Eng., ing.

David Lamarche, P. Eng., ing.
Chief, Approvals and Special Regulatory Projects

Canada

Contact Person:	Paul Reichard SEI Industries Ltd. 7400 Wilson Avenue Delta BC V4G 1H3
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Legend for Certificate Number

SH - Road, SR - Rail, SA - Air, SM - Marine
SU - More than one Mode of Transport
Ren - Renewal

Appendix A

Design-type Designation	Test Pressure (kPa)	Nominal Capacity (L)	Tare Mass (kg)
BATT-100	38	379	46
BATT-210	38	795	52
BATT-400	34	1 514	79
BATT-430	69	1 625	60
BATT-430H	69	1 627	79
BATT-470	69	1 800	64
BATT-500	34	1 893	84
BATT-630	69	2 390	71
BATT-700	55	2 650	111
BATT-750	48	2 840	86
BATT-750H	48	2 839	120
BATT-1050	44	3 975	107
BATT-1050H	44	3 795	136
BATT-1150H	44	4 353	129
BATT-1150-2	28	4 353	227
BATT-1220	19	4 618	186
BATT-1300	30	4 921	132
BATT-1600	30	6 057	154
BATT-1800	30	6 800	136
BATT-1800H	40	6 814	209
BATT-2100	40	7 950	164
BATT-2480	41	9 400	208
BATT-2500	44	9 464	272