



# American Bureau of Shipping

## UN Portable Tank/Tank Container Initial Certificate

Certificate N°: SQ5236463-69

Owner & address	<u>FALCON LEASE PTE LTD.</u> <u>60 PAYA LEBAR ROAD, #12-05, PAYA LEBAR SQUARE, SINGAPORE, 409051</u>	Owner No.: <u>FLNU 501744-9</u>
Manufacturer & address	<u>JINGJIANG ASIAN-PACIFIC LOGISTICS EQUIPMENT CO., LTD</u> <u>NO. 199 XINGANG AVENUE, JINGJIANG, CHINA, 214500</u>	Serial No.: <u>2202457</u>
Manufacturer's Model N°: <u>A023E-025-0003</u>		

### APPLICABLE RULES, REGULATIONS AND STANDARDS

ABS Design Type N°: <u>AB/119/22</u>	US DOT Identification Code: <u>IA-8101</u>
ABS Approval Ref. N°: <u>T2232130</u>	US DOT Approval: 49 CFR <u>\$178.273, \$178.274, \$178.275</u>
CSC Approval Reference: <u>USA/AB-119/22</u>	IMDG Approval Reference: <u>USA/IMO/AB/119/22</u>
Customs Approval Reference: <u>USA/119-AB/22</u>	Sec. 6.7 ADR/RID Approval Number: <u>NL/AB-119/22</u>
International Union of Railways (UIC): <u>IRS 50592</u>	Sec. 6.8 ADR/RID Approval Number: <u>NL/AB-119/22</u>
Other(s): <u>TC, ISO 668, 1161, 6346, 1496-3</u>	US DoT SP: <u>N/A</u> and/or TC Equiv.Cert.: <u>N/A</u>

### CONTAINER CHARACTERISTICS

ISO Size/Type Code: <u>22K2</u>		
Overall Length: <u>6058</u> mm	Width: <u>2438</u> mm	Height <u>2591</u> mm
Maximum Operating Gross Mass: <u>36000</u> kg	Tare: <u>3610</u> kg	Max. Permissible Payload: <u>32390</u> kg
Allowable Stacking Load for 1.8 g: <u>213360</u> kg	Transverse Racking Test Force: <u>150000</u> newtons	

### TANK CHARACTERISTICS

Design Code: <u>ASME BPVC.VIII.1 &amp; EN 14025</u>	Liquid Capacity at 20°C: <u>25030</u> liters (total)	
Overall Tank Length: <u>6009</u> mm	Outside Tank Diameter: <u>2389</u> mm	
Head Matl Spec.: <u>SANS 50028-7:1.4402</u>	Head Thickness: <u>4.6</u> mm (as built after forming)	Head Corrosion Allowance: <u>0.3</u> mm
Shell Matl Spec.: <u>SANS 50028-7:1.4402</u>	Shell Thickness: <u>4.6</u> mm (as built)	Shell Corrosion Allowance: <u>0.42</u> mm
Equiv. Reference Steel Thickness: <u>6</u> mm		
MAWP: <u>4</u> bar	MAWP of Heating System: <u>4</u> bar	
External Design Pressure: <u>0.41</u> bar	Design Temperature Range: Min.: <u>-40</u> °C; Max.: <u>130</u> °C	
Coating/Lining: Type: <u>N/A</u> & Thickness: <u>N/A</u> mm	Insulation: Type: <u>Rockwool</u> & Thickness: <u>50</u> mm	
Baffles: <u>N/A</u> Quantity: <u>N/A</u>	Cladding: Type: <u>GRP</u> & Thickness: <u>1.8/2.0</u> mm	
Discharge: <u>Bottom</u>	Bottom Discharge No. of Closures in Series: <u>Enter</u>	

### PRESSURE RELIEF DEVICES

	1 <sup>st</sup> ; Quantity: <u>1</u>	2 <sup>nd</sup> ; Quantity: <u>---</u>	3 <sup>rd</sup> ; Quantity: <u>---</u>
Manufacturer	<u>Fort Vale</u>	<u>---</u>	<u>---</u>
Catalog Number	<u>010/144000</u>	<u>---</u>	<u>---</u>
Set Pressure	<u>4.4</u> bar	<u>---</u> bar	<u>---</u> bar
Rupture	<u>N/A</u> bar	<u>---</u> bar	<u>---</u> bar
Capacity (each)	<u>3.922</u> m³/s	<u>---</u> m³/s	<u>---</u> m³/s
Total Capacity: <u>3.922</u> m³/s			

### SERVICE EQUIPMENT

Fort Vale 3" Bottom Discharge, 1.5" Air line, 3" Top Discharge Provision

### TESTING INFORMATION

Prototype Test Certificate: <u>SQ5160305-A</u> , dated: <u>12-Mar-2022</u>	Rail Impact Test Certificate/Report: <u>SQ5038404-A</u> , dated: <u>21-Jan-2022</u>
TC Impact Approved: <u>Yes</u>	

### PRESSURE TEST

Test Pressure of Tank: <u>6</u> bar, dated: <u>07-Apr-2022</u>	Test Pressure of Heating System: <u>6</u> bar, dated: <u>05-Apr-2022</u>
Leak Proof Test of Container: <u>1</u> bar, dated: <u>09-Apr-2022</u>	

Approved Commodities: Compatibilities commodities as per T11 / L4BNPortable Tank Instruction: T11ADR/RID Tank Code: L4BNMarking: 07/04/2022 P AB

Stamping tank-plate

CSC Plate Stamping Date: 04/2022 or ACEP N°: N/ANext Inspection Date: 10/2024Additional Information/Comments: The compatibilities between commodities and service equipment/pressure relief devices/vessel/gaskets are the responsibility of the owner. Shipping name/special provisions markings are the responsibility of the owner.Issued on: 15-Apr-2022 at Jingjiang, Jiangsu, China by Shen, Songxian (Empl. No. 7121)Field Office: ABS Shanghai☒ Request Reviewed and NO Conflict of Interest Identified.

NOTE: This Certificate evidences compliance with one or more of the Rules, guides, standards, or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the Container/Unit described herein has been found to comply with one or more of the Rules, guides, standards, or other criteria of American Bureau of Shipping. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any Report issued in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator, or other entity of any warranty express or implied.