



American Bureau of Shipping

UN Portable Tank/Tank Container Initial Certificate

Certificate N°:
SQ5762514-144

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 600894-5</u>
Manufacturer & address	<u>Jing Jiang Asian-Pacific Logistics Equipment Co., Ltd</u> <u>No. 199 Xingang Avenue, JingJiang City, Jiangsu Province, China</u>	Serial No.: <u>2210637</u>
Manufacturer's Model N°: <u>A023E-026-0002</u>		

APPLICABLE RULES, REGULATIONS AND STANDARDS

ABS Design Type N°: <u>AB/124/22</u>	US DOT Identification Code: <u>1A-8101</u>
ABS Approval Ref. N°: <u>T2382295</u>	US DOT Approval: 49 CFR <u>§178.273, §178.274, §178.275</u>
CSC Approval Reference: <u>USA/AB-124/22</u>	IMDG Approval Reference: <u>USA/IMO/AB/124/22</u>
Customs Approval Reference: <u>USA/124-AB/22</u>	Sec. 6.7 ADR/RID Approval Number: <u>NL/AB-124/22</u>
International Union of Railways (UIC): <u>IRS 50592</u>	Sec. 6.8 ADR/RID Approval Number: <u>NL/AB-124/22</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>3760</u> kg	Max. Permissible Payload: <u>32240</u> kg
Allowable Stacking Load for 1.8 g: <u>216000</u> kg	Transverse Racking Test Force: <u>150000</u> newtons	

TANK CHARACTERISTICS

Design Code: ASME BPVC VIII Div. 1 & EN 14025

Overall Tank Length: 6029 mm

Head Matl Spec.: SANS 50028-7:1.4402

Shell Matl Spec.: SANS 50028-7:1.4402

Equiv. Reference Steel Thickness: 6 mm

MAWP: 4.0 bar

External Design Pressure: 0.41 bar

Coating/Lining: Type: N/A & Thickness: N/A mm

Baffles: N/A Quantity: N/A

Discharge: Bottom

Liquid Capacity at 20°C: 25950 liters (total)

Outside Tank Diameter: 2423 mm

Head Thickness: 4.6 mm (as built after forming)

Head Corrosion Allowance: 0.2 mm

Shell Thickness: 4.6 mm (as built)

Shell Corrosion Allowance: 0.42 mm

MAWP of Heating System: 4.0 bar

Design Temperature Range: Min.: -40 °C; Max.: 130 °C

Insulation: Type: Rockwool & Thickness: 50 mm

Cladding: Type: GRP & Thickness: 1.8 / 2.0 mm

Bottom Discharge No. of Closures in Series: 3

PRESSURE RELIEF DEVICES

	1 st ; Quantity: <u>1</u>	2 nd ; Quantity: <u>N/A</u>	3 rd ; Quantity: <u>N/A</u>
Manufacturer	<u>GUARD</u>	--	--
Catalog Number	<u>AMF48001-00</u>	--	--
Set Pressure	<u>4.4</u> bar	-- bar	-- bar
Rupture	<u>N/A</u> bar	-- bar	-- bar
Capacity (each)	<u>4.67</u> m³/s	-- m³/s	-- m³/s
Total Capacity: <u>4.67</u> m³/s			

SERVICE EQUIPMENT

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

TESTING INFORMATION

Prototype Test Certificate: <u>SQ5160313-A-R1</u> , dated: <u>25-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>6.0</u> bar, dated: <u>03-Jun-2023</u>	Test Pressure of Heating System: <u>6.0</u> bar, dated: <u>02-Jun-2023</u>
Leak Proof Test of Container: <u>1.0</u> bar, dated: <u>04-Jun-2023</u>	

Approved Commodities: Compatibilities commodities as per T11 / L4BN

Portable Tank Instruction: T11

ADR/RID Tank Code: L4BN

Marking: 03/06/2023 P B

Stamping tank-plate

CSC Plate Stamping Date: 06/2028 or ACEP N°: N/A

Next Inspection Date: 12/2025

Additional 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: 09-Jun-2023 at Jingjiang, Jiangsu, China by Zhang, Mingjie (11395)

Field Office: Shanghai, China

☒ Request Reviewed and NO Conflict of Interest Identified.

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