



American Bureau of Shipping

UN Portable Tank/Tank Container Initial Certificate

Certificate N°:
SQ5762514-246

Owner & address	Falcon Lease Pte Ltd	Owner No.: <u>FLNU 600996-2</u>
Manufacturer & address	Jing Jiang Asian-Pacific Logistics Equipment Co., Ltd No. 199 Xingang Avenue, JingJiang City, Jiangsu Province, China	Serial No.: <u>2210739</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>IA-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>	Width: <u>2438</u> mm	Height: <u>2591</u> mm
Overall Length: <u>6058</u> mm	Tare: <u>3760</u> kg	Max. Permissible Payload: <u>32240</u> kg
Maximum Operating Gross Mass: <u>36000</u> kg	Transverse Racking Test Force: <u>150000</u> newtons	
Allowable Stacking Load for 1.8 g: <u>216000</u> kg		

TANK CHARACTERISTICS

Design Code: <u>ASME SECT VIII Div. 1 & EN 14025</u>	Liquid Capacity at 20°C: <u>25880</u> liters (total)
Overall Tank Length: <u>6029</u> mm	Outside Tank Diameter: <u>2423</u> mm
Head Matl Spec.: <u>SANS 50028-7:1.4402</u>	Head Thickness: <u>4.6</u> mm (as built after forming)
Shell Matl Spec.: <u>SANS 50028-7:1.4402</u>	Head Corrosion Allowance: <u>0.2</u> mm
Equiv. Reference Steel Thickness: <u>6</u> mm	Shell Thickness: <u>4.6</u> mm (as built)
MAWP: <u>4.0</u> bar	Shell Corrosion Allowance: <u>0.42</u> mm
External Design Pressure: <u>0.41</u> bar	MAWP of Heating System: <u>4.0</u> bar
Coating/Lining: Type: <u>N/A</u> & Thickness: <u>N/A</u> mm	Design Temperature Range: Min.: <u>-40</u> °C; Max.: <u>130</u> °C
Baffles: <u>N/A</u> Quantity: <u>N/A</u>	Insulation: Type: <u>Rockwool</u> & Thickness: <u>50</u> mm
Discharge: <u>Bottom</u>	Cladding: Type: <u>GRP</u> & Thickness: <u>1.8 / 2.0</u> mm
	Bottom Discharge No. of Closures in Series: <u>3</u>

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, 3" Spare Provision, 3" Safety Relief Valve, 3" Safety Relief Valve Provision

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>19-Jun-2023</u>	Test Pressure of Heating System: <u>6.0</u> bar, dated: <u>18-Jun-2023</u>
Leak Proof Test of Container: <u>1.0</u> bar, dated: <u>20-Jun-2023</u>	

Approved Commodities: Compatibilities commodities as per T11 / L4BN

Portable Tank Instruction: T11

ADR/RID Tank Code: L4BN

Marking: 19/06/2023 P **AB**

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

Stamping tank-plate

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: 26-Jun-2023 at Jingjiang, Jiangsu, China by Wang, Yuanhao (76000)

Field Office: Shanghai, China

Request Reviewed and NO Conflict of Interest Identified.

Wang Yuanhao

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