



American Bureau of Shipping

UN Portable Tank/Tank Container Initial Certificate

Certificate N°:
SQ5762514-229

Owner & address	Falcon Lease Pte Ltd	Owner No.: FLNU 600979-3
Manufacturer & address	Jing Jiang Asian-Pacific Logistics Equipment Co., Ltd No. 199 Xingang Avenue, JingJiang City, Jiangsu Province, China	Serial No.: 2210722
Manufacturer's Model N°:	A023E-026-0002	

APPLICABLE RULES, REGULATIONS AND STANDARDS

ABS Design Type N°: AB/124/22	US DOT Identification Code: IA-8101
ABS Approval Ref. N°: T2382295	US DOT Approval: 49 CFR §178.273, §178.274, §178.275
CSC Approval Reference: USA/AB-124/22	IMDG Approval Reference: USA/IMO/AB/124/22
Customs Approval Reference: USA/124-AB/22	Sec. 6.7 ADR/RID Approval Number: NL/AB-124/22
International Union of Railways (UIC): IRS 50592	Sec. 6.8 ADR/RID Approval Number: NL/AB-124/22
Other(s): TC, ISO 668, 1161, 6346, 1496-3	US DoT SP: N/A and/or TC Equiv. Cert.: N/A

CONTAINER CHARACTERISTICS

ISO Size/Type Code: 22K2	Width: 2438 mm	Height: 2591 mm
Overall Length: 6058 mm	Tare: 3760 kg	Max. Permissible Payload: 32240 kg
Maximum Operating Gross Mass: 36000 kg	Transverse Racking Test Force: 150000 newtons	
Allowable Stacking Load for 1.8 g: 216000 kg		

TANK CHARACTERISTICS

Design Code: ASME SECT VIII Div. 1 & EN 14025	Liquid Capacity at 20°C: 25920 liters (total)	
Overall Tank Length: 6029 mm	Outside Tank Diameter: 2423 mm	
Head Matl Spec.: SANS 50028-7:1.4402	Head Thickness: 4.6 mm (as built after forming)	Head Corrosion Allowance: 0.2 mm
Shell Matl Spec.: SANS 50028-7:1.4402	Shell Thickness: 4.6 mm (as built)	Shell Corrosion Allowance: 0.42 mm
Equiv. Reference Steel Thickness: 6 mm	MAWP of Heating System: 4.0 bar	
MAWP: 4.0 bar	Design Temperature Range: Min.: -40 °C; Max.: 130 °C	
External Design Pressure: 0.41 bar	Insulation: Type: Rockwool & Thickness: 50 mm	
Coating/Lining: Type: N/A & Thickness: N/A mm	Cladding: Type: GRP & Thickness: 1.8 / 2.0 mm	
Baffles: N/A Quantity: N/A	Bottom Discharge No. of Closures in Series: 3	
Discharge: Bottom		

PRESSURE RELIEF DEVICES

	1 st ; Quantity: 1	2 nd ; Quantity: N/A	3 rd ; Quantity: N/A
Manufacturer	GUARD	=	=
Catalog Number	AMF48001-00	=	=
Set Pressure	4.4 bar	= bar	= bar
Rupture	N/A bar	= bar	= bar
Capacity (each)	4.67 m³/s	= m³/s	= m³/s
Total Capacity: 4.67 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: SQ5160313-A.R.1, dated: 25-Mar-2022	Rail Impact Test Certificate/Report: SQ5038404-A, dated: 21-Jan-2022
TC Impact Approved: Yes	

PRESSURE TEST

Test Pressure of Tank: 6.0 bar, dated: 18-Jun-2023	Test Pressure of Heating System: 6.0 bar, dated: 18-Jun-2023
Leak Proof Test of Container: 1.0 bar, dated: 19-Jun-2023	

Approved Commodities: Compatibilities commodities as per T11 / L4BN

Portable Tank Instruction: T11

ADR/RID Tank Code: L4BN

Marking: **18/06/2023 P** **B**

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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