

Brief introduction about Eagletainer Logistics



Eagletainer Logistics (EGT) is a full service ISO-tank container operator which began operations in 2007. Our main focus of operations is in Asia, but we also cover other ports in Australia, New Zealand, Europe, Africa and South America. We aim to continue expanding our network to include more ports in other regions of the world.

EGT operate a total of 5000 standard T 11 tanks this year of which 4800 tanks are owned, mainly by its parent Company, ELSA. The owned tanks are all T11 type of 25000L capacity and mainly full framed in structure. The balances of the 200 units are leased from leasing companies. EGT's policy is to operate its own tanks and in line with this policy, our fleet had expanded substantially, through acquisition of new tanks. Our fleet had grown from 350 units in 2007 to today's number of 5000 units. EGT's fleet expansion plans are to acquire around another 500 tanks by 2015, in order that its owned fleet will reach around 5500 units.

EGT's marketing emphasis is on exports of chemical products from Asia, in particular South East Asia. Besides having its head office in Singapore, EGT, in conjunction with the other companies in the ELSA Group, operate its own offices in Malaysia, Thailand, Philippines and Shanghai, China. Due to the growing demand for Tanks in South East Asia, as a result of the growth of both the Oleo and Petro chemical industries, EGT's operating policy is to maintain a substantial fleet in this region in order that it will meet up with customers requirements, even at short notice.

For the other countries, EGT's customers are served by Agents, most of which have many years of experience in the tank business.

In conclusion, EGT would be able to offer safe and reliable service at competitive rates. We hope we would be of service to your esteemed company.

Our Commitment to HSE:

We are members of the Singapore Chemical Industry Council and the Chemical Distribution Institute.

Eagletainer is ISO 9001:2008 certified by Lloyd's Register Quality Assurance (LRQA).

Enclosed with CDI and LRQA ISO 9001 Certification for your reference.



International Marine Packed
Cargo Audit Scheme
Supporting Supply Chain Partnerships

IMPCAS ATTESTATION

Electronic Report No. **300158**

This is to confirm that the Tank Container Operating Company of:

Eagletainer Logistics Pte Ltd

Blk 511, Kampong Bahru Raod
#03-04, Keppel Distripark
Singapore 099447
Singapore

was audited by IMPCAS Accredited Auditor:

Arun Sardana
3rd April 2013

The electronic report is entered to the PharoX database and is available to the Chemical Company Participants of IMPCAS for use in their risk assessment process. The report is valid for a period of 36 months from the date of audit.

General Manager, CDI

2013, April 10th

Date



Chemical Distribution Institute
St. Martins House Business Centre,
Ockham Road South,
East Horsley, Surrey KT24 6RX
England

Tel: (44) 1483 281 268
Fax: (44) 1483 285 474

Expiry Date: 3rd April 2016



CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

**Eagletainer Logistics Pte Ltd
Blk 511 Kampong Bahru Road
#03-04 Keppel Distripark
Singapore 099447
Republic of Singapore**

has been approved by Lloyd's Register Quality Assurance
to the following Quality Management System Standards:

ISO 9001:2008

The Quality Management System is applicable to:

Logistics Management of ISO Tank Containers.

Approval
Certificate No: SNG 6013616

Original Approval: 19 December 2011

Current Certificate: 19 December 2011

Certificate Expiry: 18 December 2014



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Issued by: Lloyd's Register Quality Assurance Limited

This document is subject to the provision on the reverse
71 Fenchurch Street, London EC3M 4BS United Kingdom. Registration number 1879370
This approval is carried out in accordance with the LRQA assessment and certification procedures and monitored by LRQA.
The use of the UKAS Accreditation Mark indicates Accreditation in respect of those activities covered by the Accreditation Certificate Number 001
Marked Business 18

TANK SPECIFICATIONS

1.0 DESIGN SPECIFICATION

TANK TYPE	: 20ft ISO UN CIMC BURG Frame Tank
CAPACITY	: 25,000 litres -1 +1.5%.
TARE	: 3,650kg nominal
MAX GROSS	: 36,000 kg.
PRODUCTS	: General purpose liquids.
MAWP	: 4 bar.
TEST PRESSURE	: 6 bar.
EXTERNAL PRESSURE	: 0.41 bar.
VESSEL DESIGN TEMP.	: -40°C to 130°C.
TYPE APPROVALS	: UN portable tank (T11 IMDG, CFR49, ADR/RID), UIC, TIR, CSC, TC.
CLASSIFICATION SOCIETY	: Bureau Veritas

2.0 VESSEL

DESIGN CODE	: ASME VIII Div 1 where applicable.
MATERIAL	: SANS 50028-7 1.4402. Equalment to 316L. Max carbon content 0.03%. Cold rolled 2B finish. Minimum calculated thickness: 4.18mm. Corrosion allowance: 0.22mm Manufacture Thickness: 4.4mm. The equivalent thickness in mild steel: 6mm. Ends Material: SANS 50028-7 1.4402. Equalment to 316L. Max carbon content 0.03%. Hot rolled, polished. Minimum calculated thickness: 4.4mm. Corrosion allowance: 0.2mm The equivalent thickness in mild steel: 6mm. Thickness: 4.6mm (after forming).
SURFACE POLISH	: Base 400 mm of circumferential seams ground flush. Fillet welds on tank fitting ground smooth where necessary, not coarser than 120 grit.
INTERNAL FINISH	: Chemically cleaned, washed and dried.

3.0 FRAME

TYPE	: ISO 1496/3 (1CC) without saddles.
MATERIAL	: SPA-H or equivalent.
WALKWAY	: 475mm wide non-slip aluminum. One full longitudinal walkway at right hand side, transverse section at rear end frame, short transverse section adjacent to rear of manway box.
LADDER	: Rear right hand side and stainless steel anti slip rungs.

4.0 COMPONENTS

4.1) SAFETY RELIEF VALVE	: 1x2.5" pressure only valve set at 4.4 bar complete with provision for a second valve.
4.2) MANLID	: 500mm dia. hinged 8 point manlid.
GASKET	: Composite seal with PTFE outer encapsulating EPDM inner
DIPSTICK	: Fitted in manlid assembly.
4.3) AIRLINE	: 1.5" ball valve to 1.5" BSP dustcap. Pressure gauge is fitted.
4.4) TOP OUTLET PROVISION	: 3" NB low profile tank pad complete with blank flange and with Stainless steel ring.

4.5) BOTTOM OUTLET	<ul style="list-style-type: none"> ⋮ 3" NB 45°highlift footvalve and 3" NB clamped butterfly valve to 3" BSP stainless steel dustcap. Footvalve complete with CIMC remote closure system.
4.6) STEAM HEATING	<ul style="list-style-type: none"> ⋮ 6 run steam heating system in combination with tank rings. Effective heating area 12.5 m².
PRESSURES	<ul style="list-style-type: none"> ⋮ Design pressure 4 bar. Test pressure 6 bar.
CONNECTIONS	<ul style="list-style-type: none"> ⋮ 1" BSP inlet, 3/4" BSP outlet. One 3/8" drainage ball valve fitted at the lowest position of the outlet. Stainless steel dustcaps fitted.
4.7) SPILLAGE AREAS	<ul style="list-style-type: none"> ⋮ One spillage tray around manlid, relief valve. One spillage tray around top outlet pad and airline. Each tray made from 2.0mm thick SS304 complete with plastic drain tubes. The drain tube clip use the type of "Q".
4.8) DOCUMENT HOLDER	<ul style="list-style-type: none"> ⋮ Ø70×310mm Plastic document holder fitted to rear end frame.
4.9) THERMOMETER	<ul style="list-style-type: none"> ⋮ Glycerin filled Analogue thermometer, range from -40°C to +160°C.
4.10) HAZ DG LABELING FOLDER	<ul style="list-style-type: none"> ⋮ Add one aluminium 250×250mm HAZ DG labelling folder on rear end cladding.
5.0 INSULATION & CLADDING	
5.1) INSULATION	
BARREL	<ul style="list-style-type: none"> ⋮ 50mm thickness rockwool where possible.
ENDS	<ul style="list-style-type: none"> ⋮ 50mm thickness rockwool where possible.
UNDER THE BANDING	<ul style="list-style-type: none"> ⋮ 50mm compress Rockwool under the stainless steel banding.
HORIZONTAL STEAM TUBES	<ul style="list-style-type: none"> ⋮ 50mm Rockwool where possible
5.2) CLADDING	<ul style="list-style-type: none"> ⋮ Barrel: 1.8mm thick White (RAL9003) glass reinforced plastic; Polished stainless steel banding; ⋮ Ends: 2.0mm thick White (RAL9003) glass reinforced plastic.
6.0 EXTERNAL CORROSION PROTECTION	
SHOTBLAST	<ul style="list-style-type: none"> ⋮ SA 21/2 to framework.
CARBON STEEL FRAMEWORK	<ul style="list-style-type: none"> ⋮ Primer coat: Epoxy zinc rich primer, 30 microns DFT. ⋮ Intermediate coat: Epoxy primer, 40 microns DFT. ⋮ Top coat: Acrylic, 50 microns DFT. ⋮ Total: 120 microns DFT. ⋮ Color is blue CSC-7100(RAL-5010).
STEAM COILS	<ul style="list-style-type: none"> ⋮ One coat Leighs Resistex M505 or equivalent heat resistant aluminum paint to 25 microns DFT.
7.0 MARKING	
DATA PLATES	<ul style="list-style-type: none"> ⋮ Consolidated data plate, customs plate, calibration plate(SS304).
STATUTORY DECALS	<ul style="list-style-type: none"> ⋮ Supplied and fitted by manufacturer.
OWNER LOGOS	<ul style="list-style-type: none"> ⋮ Supplied and fitted by manufacturer.