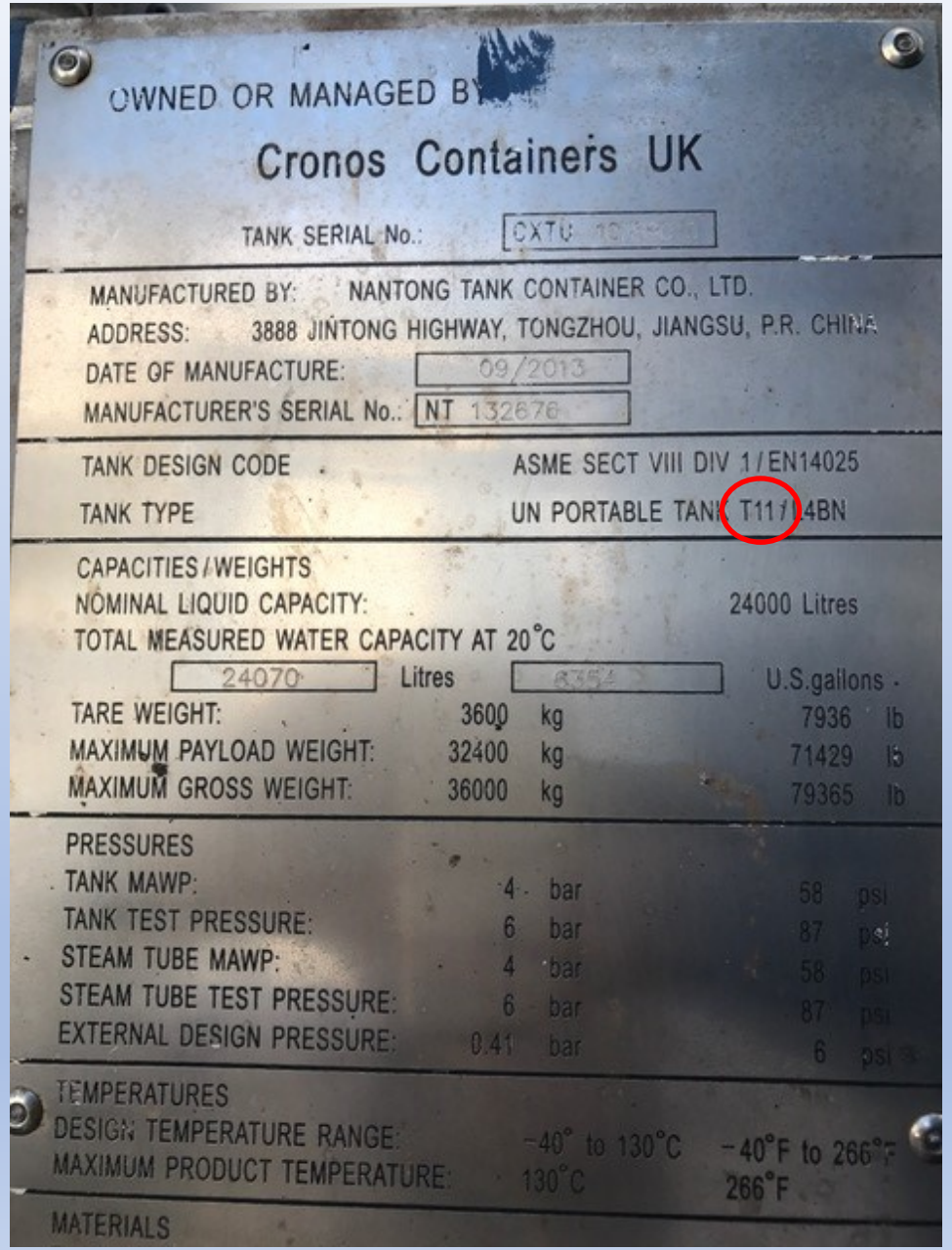
Regulatory and Technical

By Anthony Bova

Tank Instruction “T-Code”




EXSIF Worldwide, Inc.
WEST MADISON STREET, 20TH FLOOR
CHICAGO, ILLINOIS, USA
TANK SERIAL No.
MANUFACTURED BY:
CIMC
NANTONG CIMC TANK EQUIPMENT CO., LTD.
DATE OF MANUFACTURE
MANUFACTURER'S SERIAL No.
TANK DESIGN CODE
TANK TYPE
T17
CAPACITIES / WEIGHTS
NOMINAL LIQUID CAPACITY
TOTAL MEASURED WATER CAPACITY AT
TARE WEIGHT
MAXIMUM PAYLOAD
MAXIMUM PERMISSIBLE GROSS MASS
PRESSURES


UTCU 484203 9
22K2
T11 UN PORTABLE TANK
IMDG – RID/ADR
TC IMPACT APPROVED
AAR600
2,6m
8' 6"
NT tank

SILVER/CIMS LLC INSPECTION SERVICES
IA-9101

www.tankcontainer.com

T-CODES

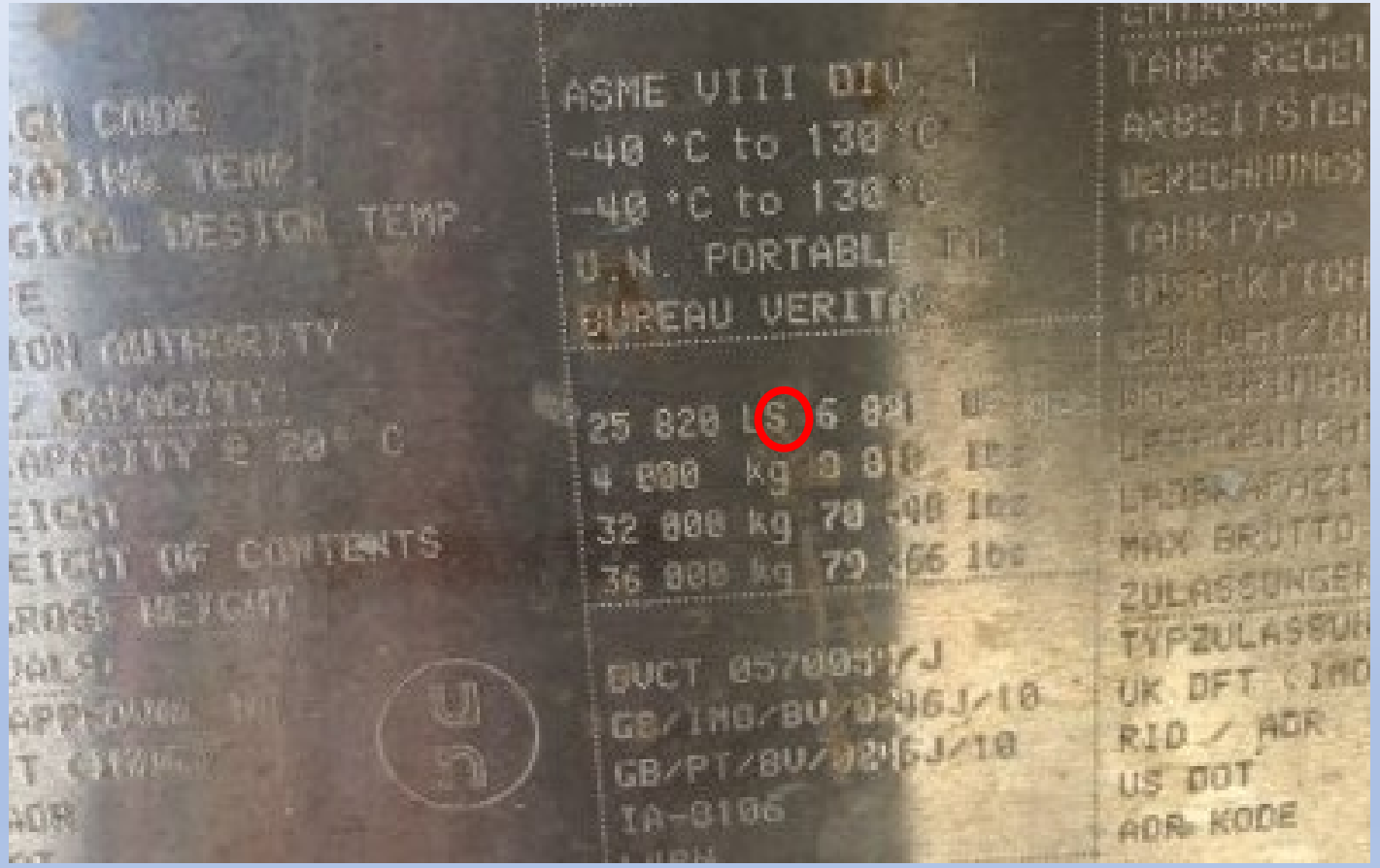
T-CODE	MIN TEST PRESSURE	MIN SHELL THICKNESS+	PRESSURE RELIEF VALVE	BOTTOM OUTLET CLOSURES
T1	1.5	6 mm*	Normal	2
T2	1.5	6 mm*	Normal	3
T3	2.65	6 mm*	Normal	2
T4	2.65	6 mm*	Normal	3
T5	2.65	6 mm*	SRV w/ rupture disc	PROHIBITED
T6	4	6 mm*	Normal	2
T7	4	6 mm*	Normal	3
T8	4	6 mm*	Normal	PROHIBITED
T9	4	6 mm	Normal	PROHIBITED
T10	4	6 mm	SRV w/ rupture disc	PROHIBITED
T11	6	6 mm*	Normal	3
T12	6	6 mm*	SRV w/ rupture disc	3
T13	6	6 mm	Normal	PROHIBITED
T14	6	6 mm	SRV w/ rupture disc	PROHIBITED
T15	10	6 mm*	Normal	3
T16	10	6 mm*	SRV w/ rupture disc	3
T17	10	6 mm	Normal	3
T18	10	6 mm	SRV w/ rupture disc	3
T19	10	6 mm	SRV w/ rupture disc	PROHIBITED
T20	10	8 mm	SRV w/ rupture disc	PROHIBITED
T21	10	10 mm	Normal	PROHIBITED
T22	10	10 mm	SRV w/ rupture disc	PROHIBITED

+ in reference steel

*5 mm if diameter < 1.8m

Baffles
(Surge Plates)

“S” Mark at Capacity



ISO Type


EXFU 144052 9
22T6
RID/ADR
AAR 600
UN PORTABLE TANK
TC IMPACT APPROVED
iC
70
SUPER HEAVY
2.6m
8'6"
25 cbm.
6.67 Bar
M.A.W.P.
L4BN


SEGU 8021170
20T6
T20
TC Impact
Approved
AAR 600
ADR / RID
14.5 CBM
6.67 BAR M.A.W.P
iC
70
SUPER
2,5m

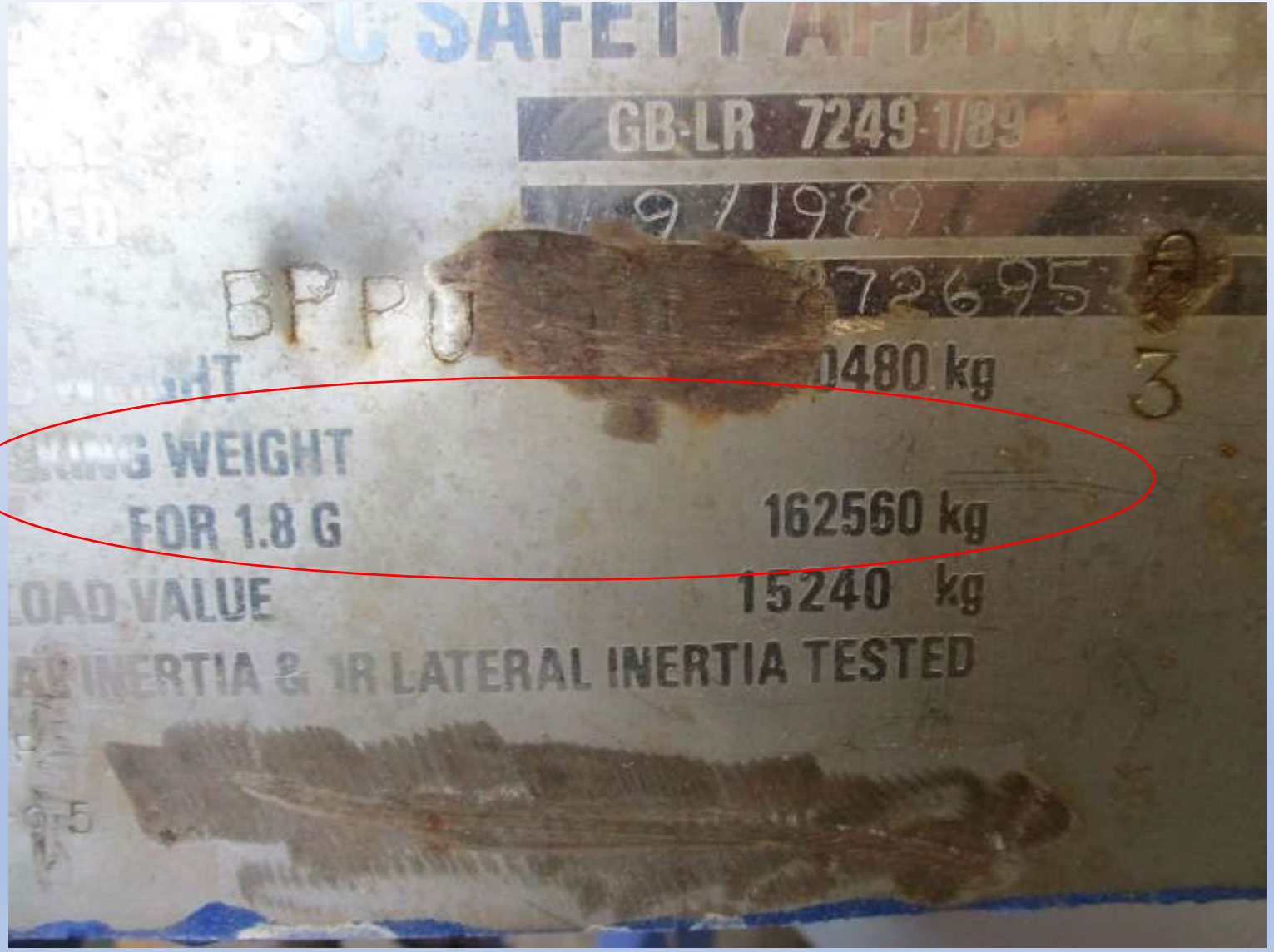

UTCU 484203 9
22K2
T11 UN PORTABLE TANK
IMDG – RID/ADR
TC IMPACT APPROVED
AAR600
2,6m
8' 6"
NT tank

Table E.1 *(continued)*

P			— Fixed posts, either free-standing or with removable top member	P2	PD
P	— Folding (collapsible)	PC	— Folding complete end structure	P3	PG
P			— Folding posts, either free-standing or with removable top member	P4	PJ
P					
P	— Platform-based container with complete superstructure	PS	— Open top, open ends (skeletal)	P5	PM
P	— Platform-based container for named cargo	PT	— Ship's gear carrier	P6	PV
P			— Car carrier	P7	PW
P			— Timber/pipe carrier	P8	PX
P			— Coil carrier	P9	PY
K	**Pressurized tank container (liquids and gases)**				
K		KL	— Liquid tank non-regulated goods	K0	KA
K			— Liquid tank dangerous goods ≤ 2,65 bar[c] pressure	K1	KB
K			— Liquid tank dangerous goods >2,65 bar[c] and ≤ 10 bar[c] pressure	K2	KD
K			— Liquid tank dangerous goods > 10 bar[c] high pressure	K3	KG
K			— Liquid tank non regulated goods requiring power supply	K4	KJ
K			— Liquid tank for dangerous goods ≤ 10 bar[c] requiring power supply	K5	KM
K			— Liquid tank for dangerous goods > 10 bar[c] pressure requiring power supply	K6	KV
K			— Cryogenic tank	K7	KW
K			— Gas tank	K8	KX
K			(unassigned)	K9	KY
N	**Pressurized and non-pressurized tank container (dry)**				
N		NH	— Hopper type vertical discharge	N0	NA
N			— Hopper type rear discharge	N1	NB
N			— (unassigned)	N2	ND
N		NN	— Non pressurized rear discharge	N3	NG
N			— Non-pressurized side discharge	N4	NJ

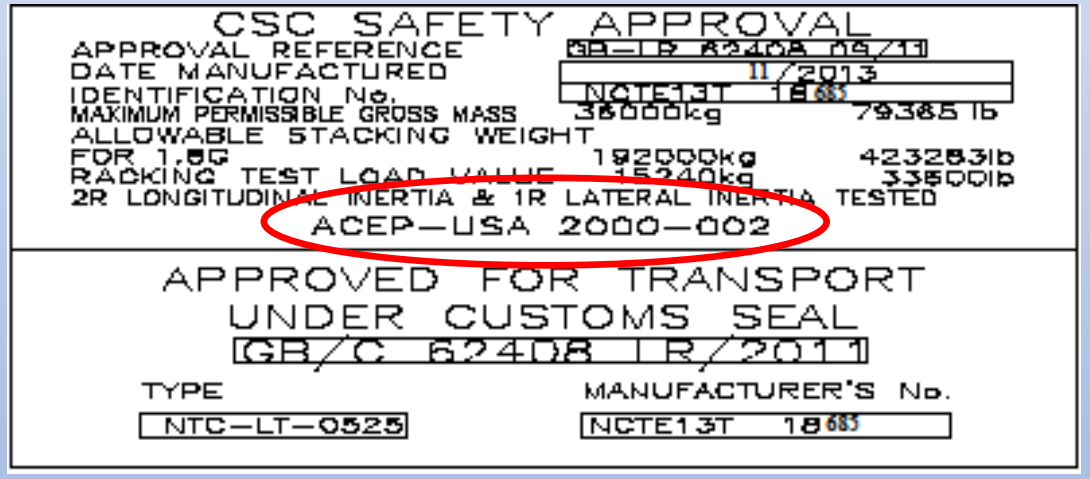

BPPU 872695-3
22KD
IMDG - RID/ADR
TC IMPACT APPROVED
AAR600 T11
iC
70
2,6
8 1/2


22KD
BPPU 872695-3

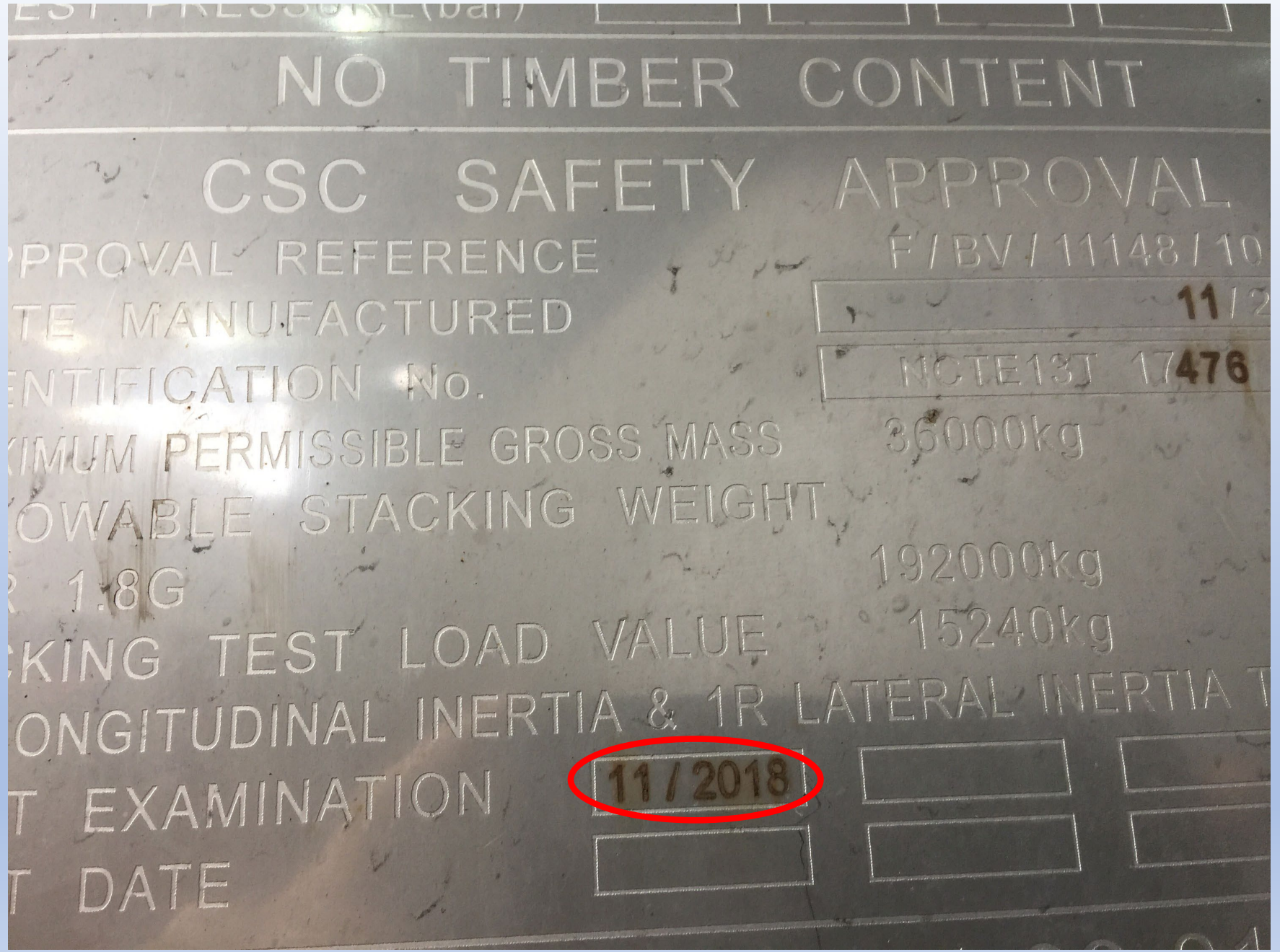

SAFETY
GB-LR 7249-1/89
9/1989
BPPU
72695
0480 kg
3
WEIGHT
FOR 1.8 G
162560 kg
LOAD VALUE
15240 kg
INERTIA & 1R LATERAL INERTIA TESTED

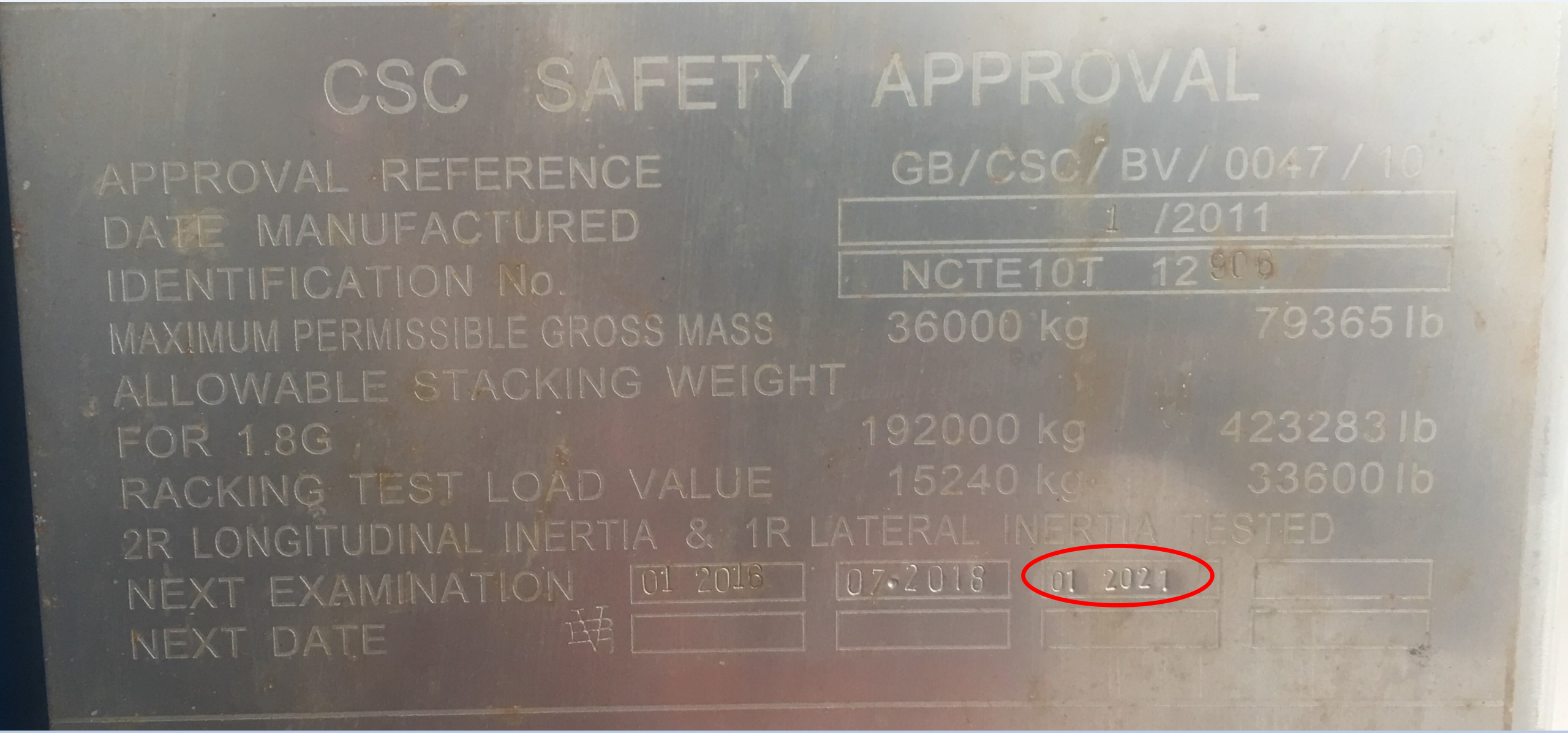
CSC

ACEP Mark



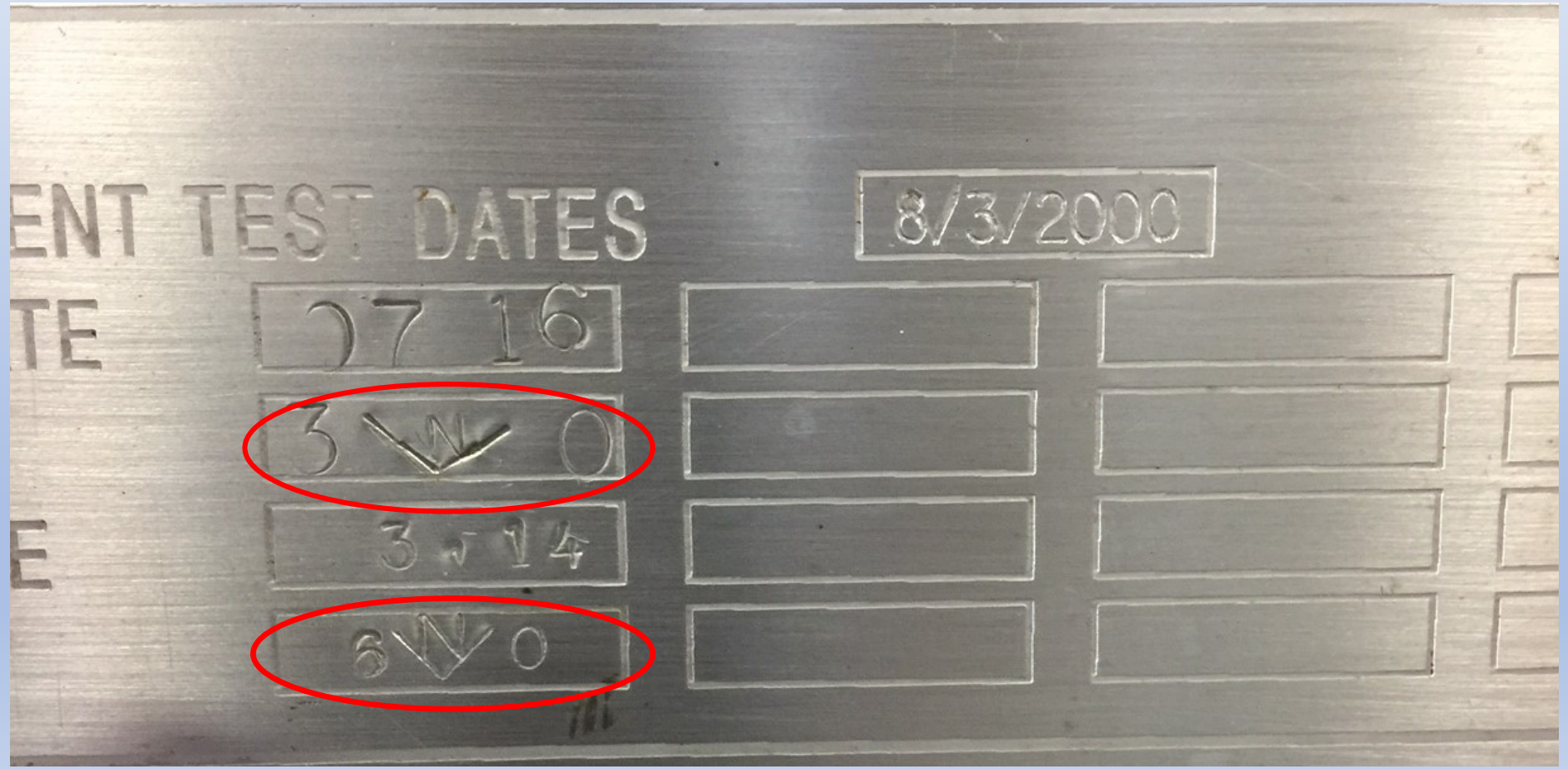
CSC Next Inspection Due Date



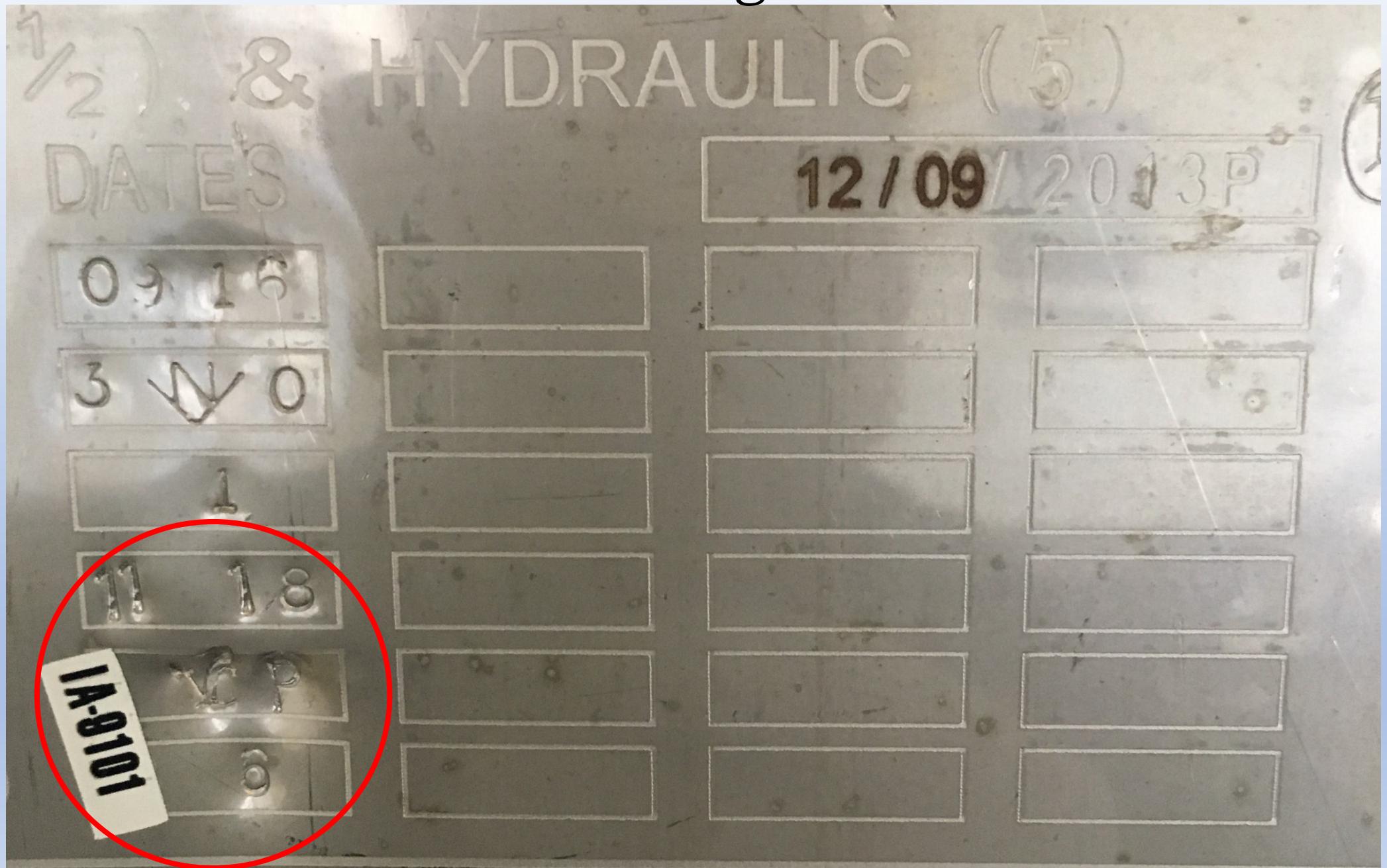

CSC SAFETY APPROVAL
APPROVAL REFERENCE GB/CSC/BV/0047/10
DATE MANUFACTURED 1 /2011
IDENTIFICATION No. NCTE10T 12906
MAXIMUM PERMISSIBLE GROSS MASS 36000 kg 79365 lb
ALLOWABLE STACKING WEIGHT
FOR 1.8G 192000 kg 423283 lb
RACKING TEST LOAD VALUE 15240 kg 33600 lb
2R LONGITUDINAL INERTIA & 1R LATERAL INERTIA TESTED
NEXT EXAMINATION 01 2016 07 2018 01 2021
NEXT DATE

Periodic Inspection Marking

“Old School”



“New Age”



RID/ADR 6.8

RID/ADR 6.7 & 6.8

6.7

CHAPTER 6.7

REQUIREMENTS FOR THE DESIGN, CONSTRUCTION, INSPECTION AND TESTING OF PORTABLE TANKS AND UN MULTIPLE-ELEMENT GAS CONTAINERS (MEGCs)

NOTE: *For fixed tanks (tank-vehicles), demountable tanks and tank-containers and tank swap bodies, with shells made of metallic materials, and battery-vehicles and multiple element gas containers (MEGCs) other than UN MEGCs, see Chapter 6.8; for fibre-reinforced plastics tanks, see Chapter 6.9; for vacuum operated waste tanks, see Chapter 6.10.*

6.8

CHAPTER 6.8

REQUIREMENTS FOR THE CONSTRUCTION, EQUIPMENT, TYPE APPROVAL, INSPECTIONS AND TESTS, AND MARKING OF FIXED TANKS (TANK-VEHICLES), DEMOUNTABLE TANKS AND TANK-CONTAINERS AND TANK SWAP BODIES, WITH SHELLS MADE OF METALLIC MATERIALS, AND BATTERY-VEHICLES AND MULTIPLE ELEMENT GAS CONTAINERS (MEGCs)

NOTE 1: *For portable tanks and UN multiple-element gas containers (MEGCs) see Chapter 6.7, for fibre-reinforced plastics tanks see Chapter 6.9, for vacuum operated waste tanks see Chapter 6.10.*

NOTE 2: *For fixed tanks (tank-vehicles) and demountable tanks with additive devices, see special provision 664 of Chapter 3.3.*

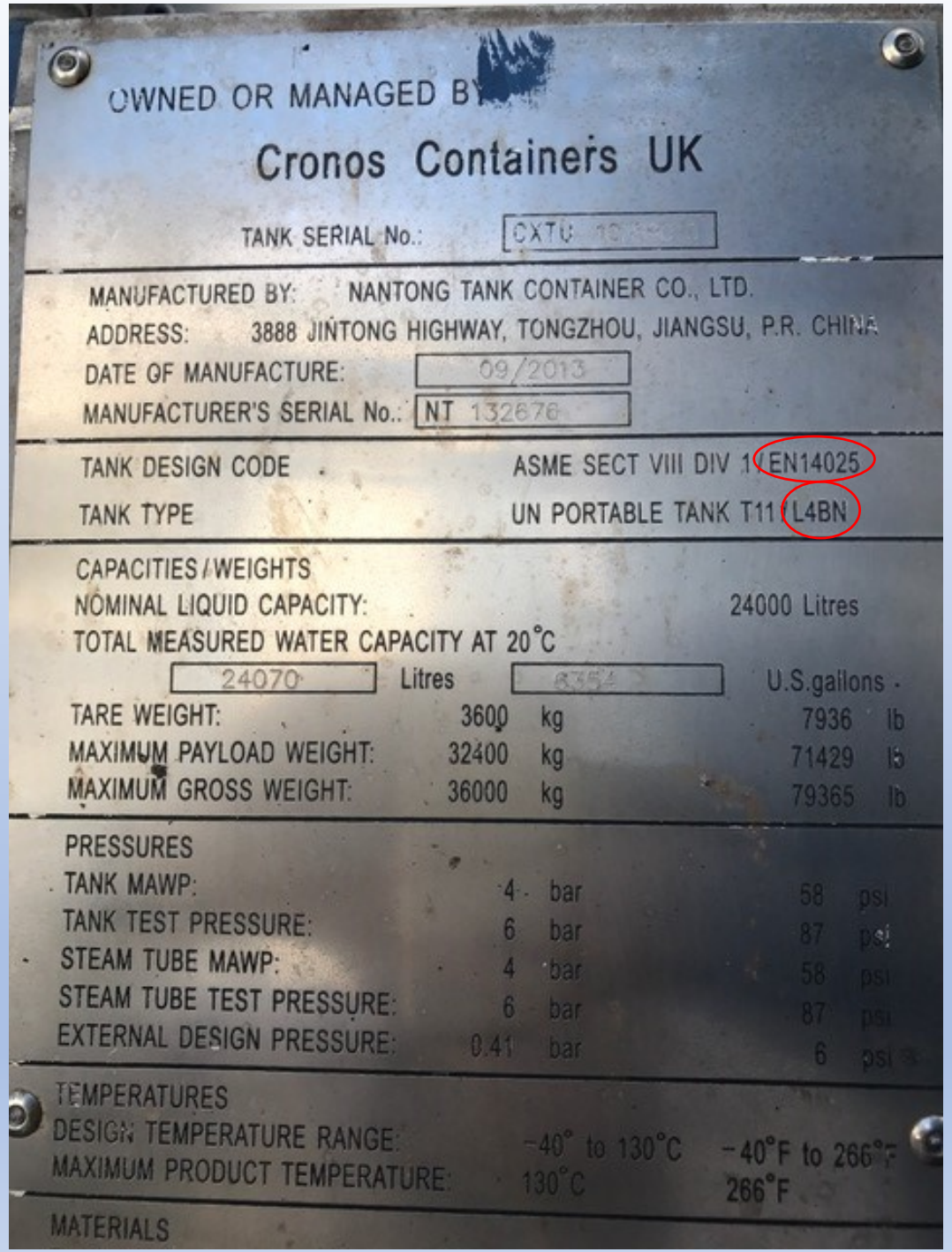
RID/ADR Code Rationale

Part	Description	Tank Code
1	Types of tank, battery-vehicle or MEGC	C = tank, battery-vehicle or MEGC for compressed gases; P = tank, battery-vehicle or MEGC for liquefied gases or dissolved gases; R = tank for refrigerated liquefied gases.
2	Calculation pressure	X = value of the minimum relevant test pressure according to the table in 4.3.3.2.5; or 22 = minimum calculation pressure in bar.
3	Openings (see 6.8.2.2 and 6.8.3.2)	B = tank with bottom filling or discharge openings with 3 closures; or battery-vehicle or MEGC with openings below the surface of the liquid or for compressed gases; C = tank with top filling or discharge openings with 3 closures with only cleaning openings below the surface of the liquid; D = tank with top filling or discharge openings with 3 closures; or battery-vehicle or MEGC with no openings below the surface of the liquid.
4	Safety valves/devices	N = tank, battery-vehicle or MEGC with safety valve according to 6.8.3.2.9 or 6.8.3.2.10 which is not hermetically closed; H = hermetically closed tank, battery-vehicle or MEGC (see 1.2.1);

RID/ADR
6.7 & 6.8
Approved

RID/ADR
6.7
Approved

RID/ADR Code Indicated on Data Plate by Manufacturer



RID/ADR Code Decaled

SILVER/CIMS LLC
INSPECTION
SERVICES

Anthony Bova
General Manager

281-474-7968

1921 Clopper St.
Seabrook, TX 77586

www.Tankcontainer.com