

第5-4 国際輸送用積載式移動タンク貯蔵所に貼付される安全承認板等の例

国際輸送用積載式移動タンク貯蔵所に貼付される安全承認板等の例

【平4.11.12 消防危第93号】

1 安全承認板等の例

(1) CSC安全承認板

CSC SAFETY APPROVAL			
1			
2	DATE MANUFACTURED		
3	IDENTIFICATION NO.		
4	MAXIMUM GROSS WEIGHT	20,320Kg	44,800lb
5	ALLOWABLE STACKING WEIGHT FOR 1.8g	101,600Kg	224,000lb
6	RACKING TEST LOAD VALUE	15,240Kg	33,600lb
7			
8			
9	FIRST MAINTENANCE EXAMINATION DATE	/	
		/	/

英和対訳

- 第1行の例に示される承認国及び承認参照記事（承認国は国際道路輸送において車両の登録国を示すために使用される識別符号によって表示される）。
- 製造日（年月）
- コンテナの製造者一連番号又は現存コンテナで番号が判明しないものについては主管庁が割り当てた番号
- 最大総重量（キログラム及びポンド）
- 1.8gに対する許容積重ね重量（キログラム及びポンド）
- 横方向ラッキング試験荷重値（キログラム及びポンド）
- 端壁強度。端壁が最大許容積載重量の0.4倍、即ち0.4Pより大又は小の荷重に耐えられるように設計されている場合にのみ板上に表示すること。
- 側壁強度。側壁が最大許容積載重量の0.6倍、即ち0.6Pより大又は小の荷重に耐えられるように設計されている場合にのみ、板上に表示すること。
- 新造コンテナの第1回保守検査日（年月）及び板上に余裕があれば第1回に引き続いて行われる保守検査日（年月）

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(2) IMO表示板

1	COUNTRY OF MANUFACTURE	JAPAN		
2	IMO TANK TYPE	I		
	MODEL NO OF CONTAINER	2086 ZE1H6		
	APPROVAL COUNTRY	JAPAN APPROVAL NO.		
3	MANUFACTURER'S NAME	SUSUMU PANTEC COMPANY, LTD		
4	MANUFACTURER'S SERIAL NUMBER	892500911		
5	YEAR OF MANUFACTURE			
6	TEST PRESSURE	6.12	KG/CM ²	0.6
			MPa	87.4
				PSI
7	MAXIMUM ALLOWABLE WORKING PRESSURE	4.08	KG/CM ²	0.4
			MPa	58.0
				PSI
8	WATER CAPACITY AT 20 °C	21000	LITERS	5547
				US GALLONS
	MAXIMUM PAYLOAD	19600	KGS	43210
				LBS
	TARE WEIGHT	4400	KGS	9700
				LBS
9	MAXIMUM GROSS MASS	24000	KGS	52910
				LBS
10	ORIGINAL HYDRAULIC TEST DATE AND WITNESS IDENTIFICATION			
11	CODE TO WHICH TANK IS DESIGNED	ISO 1496/3, JIS B8243 IMDG, 49 CFR, RID/ADR, AAR600, CTC		
12	METALLURGIC DESIGN TEMPERATURE	100	°C	212
				°F
	REFERENCE TEMPERATURE	100	°C	212
				°F
13	MAXIMUM ALLOWABLE WORKING PRESSURE FOR COILS	5.0	KG/CM ²	0.49
			MPa	71.7
				PSI
14	TANK MATERIAL	JIS G4304 SUS316L		
15	EQUIVALENT MINIMUM SHELL THICKNESS IN MILD STEEL	6.5	MM	0.256
				INCHES
	CORROSION ALLOWANCE	0	MM	0
				INCHES
16	LINING MATERIAL			
17	CAPACITY OF EACH COMPARTMENT	21000	LITERS	5547
				US GALLONS
	NUMBER OF COMPARTMENT	1		
18	MONTH YEAR AND TEST PRESSURE OF MOST RECENT PERIODIC TEST AND STAMP OF EXPERT WHO CARRIED OUT			
19	VISUAL INSPECTION DATE OF MOST RECENT PERIODIC TEST AND STAMP OF EXPERT WHO CARRIED OUT			
	DOT SPECIFICATION NUMBER	IM 101		
	RAIL IMPACT TEST	IM 101-CTC IMPACT APPROVED		
	APPROVING COMPETENT AUTHORITIES AGENCIES AND NUMBER	AB-107-81-01		
	RID/ADR APPROVAL REFERENCE	GB/AB-090/88		
	CARGOES			
	OWNER'S CODE AND SERIAL NUMBER	NR5U 371102		
	OWNER'S COUNTRY CODE SIZE AND TYPE			

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英和対訳

- 1 製造国名 _____
- 2 IMOタンクタイプ番号 _____ 承認国 _____ 承認番号 _____
- 3 製造者名又はマーク _____
- 4 登録番号 _____
- 5 製造年 _____
- 6 試験圧力 _____ (bar)(Mpa)
- 7 最大許容使用圧力 _____ (bar)(Mpa)
- 8 水容量、20℃における _____ ℓ
- 9 最大総質量 _____ kg
- 10 最初の水圧試験実施日と立会者識別 _____
- 11 タンクの設計コード _____
- 12 使用金属の設計温度（50℃を超えるととき又は-20℃未満のとき） _____
- 13 コイルの最大許容使用圧力（コイルを使用するとき） _____ (bar)(Mpa)
- 14 タンクの材質 _____
- 15 同等軟鋼板厚 _____ mm
- 16 ライニングの材質（施す場合） _____
- 17 各区画室の容量（区画タンクの場合） _____ ℓ
- 18 最近の定期的試験の実施年月と試験圧力
_____ 年 _____ 月 _____ (bar)(Mpa)
- 19 最近の試験実施者のスタンプ _____

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2 各国政府機関に代わる機関の許可書の例

(1) Lloyd's Register of Shipping の例

Lloyd's Register Industrial Services



INTERMODAL PORTABLE TANK INITIAL APPROVAL CERTIFICATE

Manufacturer	B&L T	Certificate No.	LR-US/DOT-7568
Country of Manufacture	FRANCE	Office	OTORDON
Type Approval No.	LR 7456	Date	31st October 1990

This is to certify that the tank described below has been inspected during manufacture and the design and construction found to comply with the applicable U.S. D.O.T. requirements for IM portable tanks.

Description			
U.S. D.O.T. Specification No.	IM 101	Approval No.	LR-US/DOT-7568
Manufacturer's Serial No.	904006-54	Date of Manufacture	OCT 1990
Max. Allowable Working Pressure	4.0/58 bar/psig	Design Temperature	93°C
Hydraulic Test Pressure	6.0/87 bar/psig	Leak Test Date	04.10.90
Hydraulic Test Date	03.10.90	Ref. Temperature Zone	Tropical (65°C.)
Design Code	ASME VIII DIVISION 1	Equiv. Min. Shell Thickness	6.55 mm.
Tank Material & Specification No.	S.S. 36 CBST 17-12		
Lining Material if fitted	None	Corrosion Allowance	Nil
Total Water Capacity	23927 litres	Max. Weight of Liquid	
Working Coll. MAMP	3.0/43.5 bar/psig	to be carried	69776 lb. (31650 kg.)
Pressure Relief Devices	4.4/0.21	Bursting Disc Nominal	
Set Pressure/Vacuum	63.8/3.0 bar/psig	Rupture Pressure	Not fitted bar/psig
Tank and Main Frame			
Overall Dimensions:	Length 6.058 m.	Breadth 2.438 m.	Height 2.591 m.
Maximum Gross Weight (R)	79366 lb. (36000 kg.)	Tare Weight	9590 lb. (4350 kg.)
Allowable Stacking Weight	423287 lb. (192000 kg.)		
Transverse R62560g Test Load	33600 lb. (15240 kg.)		
Longitudinal Inertia	Rail Impact test at 4.76g	Lateral Inertia	Tested to 1R
	for R=36000 kg.		
CSC Approval Ref:	F/991/83 (Issued by Bureau des Conteneurs)		

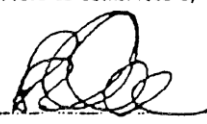
The above IM portable tank may only be used for the transportation of hazardous materials as authorised by 49 CFR 173.32e.

Periodic testing and inspection to be in accordance with 49 CFR 173.32b.

Remarks

"IM 101-GTC IMPACT APPROVED"
"SP 3250"

OWNERS SERIAL NO. UTCU 414053-6


R.S. Allin
Surveyor to Lloyd's Register
On behalf of G. Demuyck.

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FORM 5003 (2/87)

Lloyd's Register Industrial Services is a division of Lloyd's Register of Shipping

(2) American Bureau of Shipping の例



American Bureau of Shipping

TANK CONTAINER

CERTIFICATE OF APPROVAL



Issued pursuant to authority delegated by the
U.S. Department of Transportation
Title 49 Code of Federal Regulations
Designation No. 107-81-01

Certificate No. 82-K015906-X
Date 1 March 1982

Design Type Number: AB / 849 / 81

THIS IS TO CERTIFY that the tank container described herein, built by Shinko Pfaudler Co., Ltd.,
Kobe, Japan on 1 March 1982

for Toshoku Overall Development Co., Ltd., Tokyo, Japan
has been thoroughly inspected at each stage of manufacture by the undersigned Surveyor of the American Bureau of Shipping; that the details of design, materials, construction and workmanship of the container conform to the American Bureau of Shipping Rules For Certification of Cargo Containers, and to the United States Department of Transportation requirements for steel portable tanks.

The tank container is constructed in accordance with prints reviewed on 10 February 1982,
reference T-3/5729; under general arrangement drawing 1-24688 Rev. 1; the prototype of which has
serial number 811510201; was tested on 15 February 1982, and subsequent dates;
and approved with the issuing of prototype test certificate 82-K015905-X. The hydrostatic test was
performed on this container on 8 JANUARY 1982.

Manufacturers serial number: 811510201

Operating number: TURU 117012

Code(s) to which tank is designed: ASME VIII

US DOT Specification: IM 101

Size	20' x 8' x 8'	Model	208 2S	Liquid Capacity	11,320 liters
					2,990 US gals
Max Gross Wt.	20,320 kg	Tare Wt.	4,470 kg	Payload	15,850 kg
	44,800 lb		9,855 lb		34,945 lb
MAWP:	37.7 PSIG	Test Pressure:	56.6 PSIG	Heating coil MAWP:	- PSIG
	2.6 BARS		3.9 BARS		- BARS

Design Temperature
Specify C°/F° Minimum 0°C Operating Ambient Maximum 65°C


H. Ohira Surveyor

American Bureau of Shipping

NOTE: This Certificate evidences compliance with one or more of the Rules, guidelines, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau. It constitutes no license or other authorized outlet. This Certificate is a representation only that the tank container specified herein has been found to comply with one or more of the Rules, guidelines, standards or other criteria of American Bureau of Shipping. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping and shall remain the sole property thereof. Nothing contained in this Certificate or in any report issued in contemplation of this Certificate shall be deemed to release any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.

CTR 44 128 4/84

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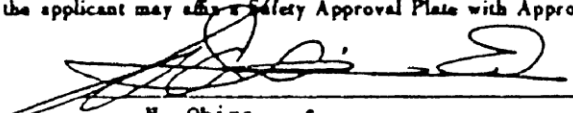
Shell Material: JIS G3103 SB42	Head Material: JIS G3103 SB42
Shell Thickness: 6 mm	Head Thickness: 7 mm
Minimum Equivalent Mild Steel	Lining Material: Rubber
Shell Thickness: 5 mm	Corrosion Allowance: -0-

The tank container identified on the obverse of this certificate conforms to the technical specifications listed and is suitable for the carriage of hazardous materials, subject to the conditions and limitations specified in Title 49 of the Code of Federal Regulations, Part 173, Section 173.32c.

INTERNATIONAL CONVENTION FOR SAFE CONTAINERS (CSC)

THIS IS TO CERTIFY that the Container identified on the obverse of this certificate meets requirements of the International Convention for Safe Containers and the regulations promulgated by the United States Department of Transportation. The container is hereby approved and the applicant may affix a Safety Approval Plate with Approval number:

USA/AB— 849 / 81


N. Ohira Surveyor

The container identified on the obverse of this certificate carries an International Convention for Safe Container approval plate bearing the number _____

CUSTOMS CERTIFICATION (TIR)

THIS IS TO CERTIFY that the undersigned has visited the plant of the manufacturer to examine the container identified on the obverse of this certificate for adherence to the certificate of approval by design type for transport of goods under customs seal and found said container in compliance.

Design Type Approval Certificate Number:

USA/ —AB/

Surveyor

THIS IS TO CERTIFY that the container identified on the obverse of this certificate has been manufactured in full compliance with the applicable certificate of approval by design type.

Quality Control Superintendent

The container identified on the obverse of this certificate carries a Customs approval plate bearing the number
J/301/82

第5-4 国際輸送用積載式移動タンク貯蔵所に貼付される安全承認板等の例

(4) Germanischer Lloydの例

Zertifikat Nr.
Certificate No.

FC 2864/01 1008

Germanischer Lloyd

Tankcontainer Einzelzertifikat
INDIVIDUAL TANK CONTAINER CERTIFICATE

Hiermit wird bescheinigt, daß der nachstehend beschriebene Container einer laufenden Fertigungskontrolle unterzogen und in Gegenwart unseres Besichtigers entsprechend den Vorschriften geprüft wurde. Der Tankcontainer entspricht dem geprüften Baumuster.
This is to certify that the container specified below was subjected to a current production control and was tested in the presence of our surveyor in accordance with the Regulations. The tank container corresponds to the tested prototype.

IMCO-Type 1

ISO-Type TANK INSULATED

Zul. Gesamtgewicht/Maximum Weight 30 480 KG = 67 200 LB
Max. Zuladung/Maximum Payload 26 080 KG = 57 496 LB
Leergewicht/Tare Weight 4 400 KG = 9 704 LB

Tank-No.	Anzahl Number of Tanks	Durchmesser / mm Diameter	Länge / mm Length	Bezugstemperatur/Reference Temperature Celsius (°C)	Fahrenheit (°F)
1	1	2 200	5 920	+ 50	+ 122

Werkstoff des Tanks/Tank Material STAINLESS STEEL X 5 CR NI MO 1810

Innenbeschichtung/Lining Material

GLASHOLLE / GLASS HOLL

Tank No.	Max. Tankinhalt/Total Water Capacity = Imp. gal.	= US gal.	in %	Zul. Tankinhalt/Filling Limit = Imp. gal.	= US gal.
1	21 000	4 619	5 548	FÜLLGUT- UND TEMPERATURABHÄNGIG DEPENDENT ON CARGO AND TEMPERATURE	

Tank No.	Prüfüberdruck Test pressure	Höchst. zul. Betriebsüberdruck Max. allow. working pressure	Überdruckventils Safety Relief Valve	Anspruchdruck des Unterdruckventils Set pressure of Vacuum Relief Valve
	bar	psi g	bar	psi g
1	4,00	58,00	2,65	38,42
			3,33	48,29

Zusätzliche Sicherungseinrichtung/Additional safety device RUPTURE DISK

Hersteller/Manufacturer HOLVRICKA NIOITA, SNECK, NETHERLANDS

Typenbezeichnung des Herstellers/Manufacturer's Type C20 R 6121 S

Hersteller-Seriennummer/Manufacturer's Serial No. 512-875

Betreiber/Operator

Eigner/Owner HOYER TAINER, CHIASO, SCHWEIZ

Identifizierungs-Nr. des Betreibers/Operator's Identification No.

Identifizierungs-Nr. des Eigners/Owner's Identification No. HOYU 211 008 1

Typ-Prüfungs-Nr./Type Approval No. FC 2864/01

Tankprüf-Nr./Tank Inspection No. 51 287 R

Besichtigungsdatum/Date of Inspection 8.85

Datum der hydraulischen Druckprüfung
Date of Hydraulic Test 8.85

Bemerkungen/Remarks

ZULASSUNG/PERMISSION RYKSDIENST WEGVERKEER NL-ROW-1097



Hamburg 22.10.85

Besichtiger des Germanischen Lloyd
Surveyor to Germanischer Lloyd

B.H. POORTENAAAR

(5) その他

国際輸送用タンクコンテナに関する構造及び設備の国際基準としては、C S C条約、I S O規格（国際標準化機構規格）及びI M O基準がある。

C S C条約及びI S O規格は、コンテナの標準化、検査基準を主内容としたもので、C S C条約の内容がI S O規格に含まれていることから、コンテナの設計はI S O規格で行われもが通常である。我が国ではI S O規格に準拠し、J I Sが制定されている。

- ア 日本工業規格Z 1613 国際大形コンテナの用語
- イ 日本工業規格Z 1614 国際大形コンテナの外のり寸法及び最大総重量
- ウ 日本工業規格Z 1615 国際大形コンテナの表示方法
- エ 日本工業規格Z 1616 国際大形コンテナのすみ金具
- オ 日本工業規格Z 1617 国際大形コンテナ用上部つり上げ金具及び緊締金具
- カ 日本工業規格Z 1623 国際大形コンテナの識別コード
- キ 日本工業規格Z 1624 国際大形タンクコンテナ

I M O基準は、タンクの構造、設備基準を主内容としたもので、タンクの設計はI M O基準で行われるのが通常である。

I M O基準の規約総則中、第13章が国際輸送用タンクコンテナに関する条項で、そのうち第1種ポータブルタンク及び第2種ポータブルタンクに関する規定が本基準のタンクに係る構造及び設備の基準にあたるものである。