CERTIFICATE OF TYPE APPROVAL No 1468-TPED-15305

Issued for: (name and address)

Stako Spółka z ograniczoną odpowiedzialnością

ul. Poznańska nr 54

76-200 Słupsk

Confirms that:

LPG cylinders type B-2210

Submitted to:

type approval in accordance with 1.8.7.2 and 6.2.1.4 and 6.2.3.6 ADR

Meets the requirements:

Directive 2010/35/EU of the European Parliament and of the Council of 16 June 2010

on transportable pressure equipment

Additional information:

Appendix no 1468-TPED-15305.1

Certificate remains valid subject to observance by the holder all the obligations of the contract No JN-1468-TPED-013/21 and the requirements of the reference documents for the assessment conducted. Product should meet the requirements of the reference documents specified in the appendix 1468-TPED-15305.1 and cannot be subject to any modifications. Reports, protocols and records on its inspections and tests constitute an integral part of this certificate.

Place and date of issue
Date of translation: 2022-03-03

Warszawa, 2022-02-16

Date of certificate validity

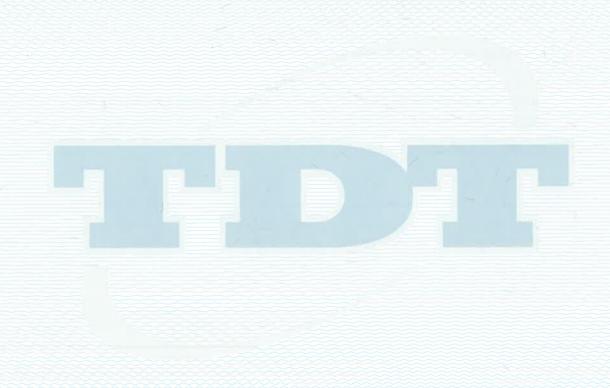
2032-02-16

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Deputy Director of Transportowy Dozór Techniczny

Małgorzata Moździerz-Zarzyka

NOTIFIED BODY 1468



TRANSPORTOWY DOZÓR TECHNICZNY

Appendix no 1468-TPED-15305.1 to certificate of type approval no 1468-TPED-15305

Issued for:

Stako Spółka z ograniczoną odpowiedzialnością

(name and address)

ul. Poznańska nr 54

76-200 Słupsk

Product:

LPG cylinders type B-2210

Technical documentation:

(number, revision)

Technical documentation of LPG bottles, July 2021

Product characteristic:

Material: steel P310 NB, in acc. PN-EN 10120, minimum strength parameters: R_e≥310 MPa, R_m≥460 MPa.

Calculation and test pressure PT=30 bar

Working pressure PS=20 bar Diameter: 300 mm Capacity: 26,36 litres

The assessment protocol:

517/116/22; TDT/JN-517/114/22; TDT/JN-517/121/22; TDT/JN-517/124/22

Scope of limitation:

Liquefied Petroleum Gas (LPG) - a low pressure liquefied gas composed of one or more light hydrocarbons which are assigned to

UN:

UN-number

Name, class, classification code and packaging group

1011

BUTANE class 2, classification code 2F

1075

PETROLEUM GASES, LIQUEFIED, class 2, classification code 2F

1965

HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. such as mixtures A, A01,

A02, A0, A1, B1, B2, B or C), class 2, classification code 2F

1969 1978 ISOBUTANE, class 2, classification code 2F PROPANE, class 2, classification code 2F

only and which consists mainly of propane, propene, butane, butane isomers, butene with traces of other hydrocarbon gases

Range of temperature: -20°++65°C

Date of the next periodic

inspection:

List of standards:

Standard number	Title	Edition
ADR	European Agreement Concerning the International Carriage of Dangerous Goods by Road	2021
PN-EN 1442	LPG equipment and accessories Transportable refillable welded steel cylinders for LPG Design and	2017-08
	construction	

List of approved documents:

Title			Reference	Edition
	1.	Purpose. Section 1997		
	2.	Conformity assessment		^
	3.	Construction		
	4.	EU declaration of conformity sample.		

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TRANSPORTOWY DOZÓR TECHNICZNY

Appendix no 1468-TPED-15305.1 to certificate of type approval no 1468-TPED-15305

- 5. Risk analysis.
- 6. List of used standards
- 7. Calculation of Family LPG Bottle, according to PN-EN 1442.
- 8. Other documents, including material attests.
- User's manual of Stako LPG cylinders manufactured acc. to 2014/68/EU and 2010/35/EU and PN-EN 1442 standard.
- 10. Drawings:
 - "LPG cylinders",
 - "Mantel cylinder",
 - Bottom D300 in acc. with EN1442 TPED;PEd g=2.5",
 - "Shell+hole D300 EN1442 PED; TPED g=2.5",
 - Label Bottle in acc. with EN1442 PED 2014/68/EU; TPED 2010/35/EU
 - "Armature plate"

2210.01.000 2210.01.001 142.29.300 142.29.300.01 TZ-349 B-14.02

List of technical approvals/ authorisations, homologations and other certificates:

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Data concerning the operation, routine maintenance and regulation can be found in technical documentation. The applicant concluded information on product conformity with directive 2010/35/EU. This information is included in the technical documentation.



Deputy Director of Transportowy Dozór Techniczny

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