



CERTIFICATE OF EU-TYPE EXAMINATION

No 1468-PED-394/2

Issued for:
(name and address)

Stako Spółka z ograniczoną odpowiedzialnością
ul. Poznańska nr 54
76-200 Słupsk

Confirms that:

LPG Tank type ZW 360

Subject to:

EU-Type examination - production type (module B)

Meets the requirements:

Directive 2014/68/EU of the European Parliament and of the Council of 15 May 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of pressure equipment

Additional information:

Appendix no. 1468-PED-394/2.1

Certificate remains valid subject to observance by the holder all the obligations of the contract no JN-1468-PED-003/19, annex 1 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-PED-394/2.1 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

Warszawa, 2020-06-16

Expiration date of the certificate 2029-08-20

Deputy Director
of Transportowy Dozór Techniczny

Małgorzata Możdziej-Zarzyka



TRANSPORTOWY DOZÓR TECHNICZNY

Appendix no 1468-PED-394/2.1 to certificate EU-type examination no 1468-PED-394/2

Issued for:
(name and address) **Stako Spółka z ograniczoną odpowiedzialnością**
ul. Poznańska nr 54
76-200 Słupsk

Product:
LPG Tank type ZW 360

Technical documentation:
(number, revision): **Technical file 02.2020**

Product characteristic: **LPG cylindrical steel tank**

- type ZW-360
- maximum working pressure 2,7 MPa
- calculation pressure 3,9 MPa
- hydrostatic test pressure 3,9 MPa
- production drawing no. 1932.01.000
- diameter 360 mm
- length: 582, 632, 686, 789, 892, 944 mm
- capacity: 50, 55, 60, 70, 80, 85 L
- minimal thickness of wall bottom 3 mm
- minimal thickness of wall mantel 3,5 mm

Assessment protocol: **TDT-C15-4/19; TDT-511-490a/19; TDT-511-490b/19; TDT-511-490c/19; TDT-511-494a/19; TDT-511-494b/19; TDT-511-494c/19; TDT-511-503/19; TDT-T2-1/20**

Scope of limitation: **Temperatures range: -20°+65°C**
Range of use: for LPG storage, for installations in devices and vehicles that do not directly affect their propulsion
Medium: propane - butane


List of standards:

| Standard number | Title | Edition |
|-----------------|---|---------|
| PN-EN 10216-1 | Seamless steel tubes for pressure purposes. Technical delivery conditions. Non-alloy steel tubes with specified room temperature properties | 2014-02 |

List of approved documents:

| Title | Reference | Edition |
|------------------------------|-----------|---------|
| Technical file 02.2020 | | |
| 1. Purpose | | |
| 2. Conformity assessment | | |
| 3. Construction | | |
| 4. Manufacturing technology | | |
| 5. Risk analysis | | |
| 6. List of applied standards | | |

Deputy Director
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NOTIFIED BODY 1468

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Appendix no 1468-PED-394/2.1 to certificate EU-type examination no 1468-PED-394/2

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| 7. Documentation and homologation of the accessories 8. Calculations 9. Material attests 10. Welding technology WPS, WPQR 11. Entitlement of personnel performing tests 12. Drawings LPG tank with accessories Label ZW for fitting plate 13. Declaration of conformity - sample | 1942.00.000 TZ-338 | |
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List of technical approvals/ authorisations, homologations and other certificates:

| Title | Issued by | Reference number / date | Date of issue / date of validity |
|-------|-----------|-------------------------|----------------------------------|
| -- | | | |

This certificate replaces certificate 1468-PED-394/1 of 2020-03-27. Data concerning the operation, routine maintenance and regulation can be found in technical documentation. The applicant concluded information on product conformity with directive 2014/68/EU. This information is included in the technical documentation.

TDT

Deputy Director
of Transportowy Dozór Techniczny

Małgorzata Moździerz-Zarzyka

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