**ORDER**

**№** **A 453**

**Sofia, 27.10.2023**

**INSPECTION BODY "DATEL", TYPE A**

**at "DATEL" LTD**

**Management and office address:** 1220 Sofia, 72 "Iliyantci" Blvd

**To perform inspection of:**

| **Type of scope:** *fixed* |
| --- |
| **№** | **Field of Inspection** | **Type of Inspection** | **Parameter of Inspection / Characteristic** | **Test and Measurement Methods Used During Inspection, Inspection Procedure** | **Ordinances, Standards, Specifications, Schemes** |
| **1** | **2** | **3** | **4** | **5** | **6** |
| 1 | Welded joints of metal, steels and their alloys.Products of metal materials, steels and their alloys. Welded joints in the manufacture and operation of steam and hot water pipelines. Welded joints of process and main pipelines for various media and their equipment. Welded joints of gas equipment and installations.Welded joints of pressure vessels.Welded joints of low and high pressure boilers, turbines, lifting and transport equipment.Welded joints of metal structures and machinery.Welded joints of metal tanks, cisterns, gas holders and silos for storage of petroleum, agricultural and other products. | New or in use/operation equipment and products, initial or periodic inspection | Type, size, length, width and location of surface imperfections by visual inspection method (VT) | БДС EN 1370:2012БДС EN ISO17637:2017GOST R 50.05.08:20187.1-PrK01 ed.04/15.08.2023 | БДС EN 1370:2012БДС EN ISO 6520-1:2007БДС EN ISO 5817:2023БДС EN 1090-1:2009 +А1:2012БДС EN ISO 17637:2017NP-084-15NP-105-18T.S. |
| Type, size, length, width and location of internal imperfections by radiographic method of inspection (RT) | БДС EN 12681-1:2018БДС EN 12681-2:2018БДС EN ISO 17636-1:2022БДС EN ISO 10893-6:2019GOST R50.05.07:20187.1-PrK02 edition 04/15.08.2023 | БДС EN ISO 10042:2018БДС EN ISO 5817:2023БДС EN ISO 10893-6:2019БДС EN ISO 10675-1:2022БДС EN ISO 10675-2:2022БДС 13060:1986БДС EN ISO 6520-1:2007БДС EN 1090-1:2009+А1:2012NP-084-15NP-105-18T.S. |
| Type, size, length, width and location of internal imperfections by ultrasonic inspection method (UT) | БДС EN ISO16823:2014БДС EN ISO16826:2014БДС EN ISO16827:2014БДС EN 1016012001БДС EN 10306:2003БДС EN 10307:2003БДС EN 10308:2003БДС EN 10228-3:2016БДС EN 10228-4:2016БДС 9824:1972БДС 10037:1977-repealed without replacement БДС 13598:1976-repealed without replacement БДС 13661:1976БДС 14923:1979БДС 14924:1979-repealed without replacementБДС EN ISO23279:2018БДС EN ISO17640:2019GOST R50.05.02:2018GOST R50.05.04:2018GOST R50.05.05:20187.1-PrK03 ed.04/15.08.2023 | БДС EN 10160:2001БДС EN 10307:2003БДС EN 10308:2003БДС EN 10228-3:2016БДС EN 10228-4:2016БДС EN ISO 5817:2023БДС EN ISO 11666:2018БДС EN ISO 23279:2018БДС EN ISO 17640:2019БДС EN 1090-1:2009+А1:2012NP-084-15NP-105-18T.S. |
| Type, size, length, width and location of surface imperfections by capillary control method (PT) | БДС EN ISO 3452-1:2021БДС EN 1371-1:2011БДС EN 1371-2:2015БДС EN ISO 10893-4:2011БДС EN 10228-2:2016GOST R50.05.09:20187.1-PrK04 ed.04/15.08.2023 | БДС EN 1371-1:2011БДС EN 1371-2:2015БДС EN ISO 23277:2015БДС EN ISO 10893-4:2011БДС EN ISO 5817:2023БДС EN 10228-2:2016БДС EN ISO 6520-1:2007БДС EN 1090-1:2009+А1:2012NP-084-15NP-105-18T.S. |
| Type, size, length, width and location of surface and subsurface imperfections (up to 3 mm below the metal surface) of magneto-ferritic materials, by magnetic-powder inspection method (MT) | БДС EN ISO17638:2017БДС EN 1369:2013БДС EN ISO 10893-5:2011БДС EN ISO17635:20177.1-PrC06 edition 02/15.08.2023 | БДС EN ISO 23278:2015БДС EN ISO 5817:2023БДС EN ISO 6520-1:2007БДС EN 1090-1:2009+А1:2012T.S. |
| Hardness (HT) on Brinell, Vickers, Rockwell and Rockwell C scales using Lieb's method | ASTM A956-127.1-PrK08 ed.03/15.08.2023 | T.S. |
| 2. | Insulating coating of base material of structures, equipment and products manufactured from electrically conductive metals and metal alloys. | New or in use/operation equipment and products, initial or periodic inspection | Continuity of layers of insulating coatings of electrically conductive equipment - location of discontinuities, by electroscopy control method (CCI) | БДС 15704-1983БДС 2324 - 19837.1-PrK09ed.04/15.08.2023 | БДС 15705:1983+Modification1/1995 T.S. |
| 3. | Basic material of welded joints, structures, equipment and products manufactured from homogeneous metal and metal alloys with a uniform, acoustically conductive structure | New or in use/operation equipment and products, initial or periodic inspection | Wall thickness by ultrasonic method of control (UTH) | БДС EN ISO 16809:20197.1-PrK05 ed.05/15.08.2023 | БДС EN ISO 16809:2019T.S. |

*TS - technical specification.*