**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 1370:2012  БДС EN ISO  17637:2017  GOST R 50.05.08:2018  7.1-PrK01 ed.04/15.08.2023 | БДС EN 1370:2012  БДС EN ISO 6520-1:2007  БДС EN ISO 5817:2023  БДС EN 1090-1:2009 +  А1:2012  БДС EN ISO 17637:2017  NP-084-15  NP-105-18  T.S. |
| Type, size, length, width and location of internal imperfections by radiographic method of inspection (RT) | БДС EN 12681-  1:2018  БДС EN 12681-  2:2018  БДС EN ISO 17636-  1:2022  БДС EN ISO 10893-  6:2019  GOST R  50.05.07:2018  7.1-PrK02 edition 04/15.08.2023 | БДС EN ISO 10042:2018  БДС EN ISO 5817:2023  БДС EN ISO 10893-6:2019  БДС EN ISO 10675-1:2022  БДС EN ISO 10675-2:2022  БДС 13060:1986  БДС EN ISO 6520-1:2007  БДС EN 1090-1:  2009+А1:2012  NP-084-15  NP-105-18  T.S. |
| Type, size, length, width and location of internal imperfections by ultrasonic inspection method (UT) | БДС EN ISO 16823:2014 БДС EN ISO 16826:2014 БДС EN ISO 16827:2014 БДС EN 1016012001 БДС EN 10306:2003 БДС EN 10307:2003 БДС EN 10308:2003 БДС EN 10228-3:2016 БДС EN 10228-4:2016 БДС 9824:1972 БДС 10037:1977- repealed without replacement  БДС 13598:1976- repealed without replacement  БДС 13661:1976 БДС 14923:1979 БДС 14924:1979- repealed without replacement  БДС EN ISO 23279:2018 БДС EN ISO 17640:2019 GOST R 50.05.02:2018 GOST R 50.05.04:2018 GOST R 50.05.05:2018 7.1-PrK03 ed.04/15.08.2023 | БДС EN 10160:2001  БДС EN 10307:2003  БДС EN 10308:2003  БДС EN 10228-3:2016  БДС EN 10228-4:2016  БДС EN ISO 5817:2023  БДС EN ISO 11666:  2018  БДС EN ISO 23279:2018  БДС EN ISO 17640:  2019  БДС EN 1090-1:  2009+А1:2012  NP-084-15  NP-105-18  T.S. |
| Type, size, length, width and location of surface imperfections by capillary control method (PT) | БДС EN ISO 3452-  1:2021  БДС EN 1371-  1:2011  БДС EN 1371-  2:2015  БДС EN ISO 10893-  4:2011  БДС EN 10228-  2:2016  GOST R  50.05.09:2018  7.1-PrK04 ed.04/15.08.2023 | БДС EN 1371-1:2011  БДС EN 1371-2:2015  БДС EN ISO 23277:2015  БДС EN ISO 10893-4:2011  БДС EN ISO 5817:2023  БДС EN 10228-2:2016  БДС EN ISO 6520-1:2007  БДС EN 1090-1:2009+А1:2012  NP-084-15  NP-105-18  T.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 ISO  17638:2017  БДС EN 1369:2013  БДС EN ISO 10893-  5:2011  БДС EN ISO  17635:2017  7.1-PrC06 edition 02/15.08.2023 | БДС EN ISO 23278:  2015  БДС EN ISO 5817:2023  БДС EN ISO 6520-1:2007  БДС EN 1090-1:  2009+А1:2012  T.S. |
| Hardness (HT) on Brinell, Vickers, Rockwell and Rockwell C scales using Lieb's method | ASTM A956-12  7.1-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 15704-1983  БДС 2324 - 1983  7.1-PrK09  ed.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 16809:2019  7.1-PrK05 ed.05/15.08.2023 | БДС EN ISO 16809:2019  T.S. |

*TS - technical specification.*