



**CERTIFICATE FOR SEAMLESS STEEL PIPES  
MILL TEST CERTIFICATE NO. JSC1378003**

JSC NIZHNEDNEPROVSKY TUBE ROLLING PLANT 25 STOLETOV STR.  
49881 DNEPROPETROVSK, UKRAINE

| Customer    |                   |         |              |                    |                      |                 |                           |          |      |        |                     | Total Weights            | 19537         | Contract No.    |                    | A30112078  |                     |                |       |       |       |       |       |
|-------------|-------------------|---------|--------------|--------------------|----------------------|-----------------|---------------------------|----------|------|--------|---------------------|--------------------------|---------------|-----------------|--------------------|------------|---------------------|----------------|-------|-------|-------|-------|-------|
| License No. |                   |         |              |                    |                      |                 |                           |          |      |        |                     | Date of Delivery         | 09/11/2017    | Certificate No. |                    | JSC1378003 |                     |                |       |       |       |       |       |
| No.         | Testing No.       | Lot No. | O.D.<br>(mm) | W.T.<br>(mm)       | Standard             | Type            | Grade                     | Heat No. | Pcs. | Lenght | Weight<br>(t)       | Chemical Composition (%) |               |                 |                    |            |                     |                |       |       |       |       |       |
|             |                   |         |              |                    |                      |                 |                           |          |      |        |                     | C                        | Si            | Mn              | P                  | S          | Cr                  | Ni             | Cu    | Mo    | V     | Ti    | Nb    |
| 1           | UK36              | 1-74    | 406.4        | 16.66              | ASTM A53/A106/API 5L | SCH 60          | B                         | QS3641   | 20   | 6.1mt  | 19537               | 0.18                     | 0.25          | 0.43            | 0.011              | 0.018      | 0.042               | 0.031          | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| No.         | T.S. Y.S.         |         | E.L.<br>%    | Flattering<br>Test | Bending<br>Test      | Flaring<br>Test | Impact Energy<br>Absorbed | Hardness | NDP  |        | Color On<br>the end | Hydrostatic<br>Test      | Drift<br>Test | V&D<br>Exam.    | Decarbonized Depth |            | Grain Size<br>(gr.) | Microstructure |       |       |       |       |       |
|             | N/mm <sup>2</sup> |         |              |                    |                      |                 |                           |          | E.T. | U.T.   |                     |                          |               |                 | Inside             | Outside    |                     | (F)            | (P)   |       |       |       |       |
| 1           | 465               | 278     | 32           | GOOD               | GOOD                 | --              | --                        | --       | GOOD | --     | --                  | GOOD                     | --            | --              | --                 | --         | --                  | --             | --    | --    | --    | --    | --    |

- The hot-rolled pipes herein described are delivered in the finel rolled condition and the cold-drawn pipes above in the heat treatment condition detailed in the relevant standard. All the pipes are tested in accordance with GB/T 5777-1996 for ultrasonic inspection or GB/T 7735-2004 for eddy - current testing when DNT is requested.
- We certify that the pipes herein described have been manufactured, tested in accordance with above standard and satisfied with the requirements. The copy of this form is invalid.
- We certify that the above material has been manufactured, sampled, tested and inspected in accordance with API5L/ASTM A106/ ASME SA106/ ASTM A53/ASME SA53.



(Reviewed) Vyacheslav J.