**Библиографический список**

**(на англ. язх.) к статье Максимова А.Б., Шевченко И.П., Ерохиной И.С. «Толстолистовой прокат с изменяющимися механическими свойства по толщине»**

**Abstract**

**to article Maksimov B.A., Shevchenko I.P., I.S. Erokhina "Sheet metal with variable mechanical properties in thickness»**

1. Maksimov A. B. Thermally reinforced rolled plates of low-alloy steels/ Issues of material science. 2010. No. 3 (63). Pp. 40 – 44.

2. Maksimov B. A., Erokhina I. S. Thermal reinforcement of sheet metal/ Steel. 2017. No. 8. Pp. 52-55

3. Maksimov A. B. Crack Propagation in pipes of non-uniform material / Izvestiya vuzov. Ferrous metallurgy. 2013. No. 7. Pp. 53 – 56.

4. Maksimov A. B. Features of destruction of nonuniform material / New materials and technologies in metallurgy and mechanical engineering. 2012. No. 2. Pp. 130 -131.

5. Maksimov A. B. The destruction of the thermally reinforced steel / Izvestiya vuzov. Ferrous metallurgy. 2014. No. 5 – Pp. 12 – 14.

6. Maksimov, A. B., Gulyaev V. M. Surface hardening of steel products for mining equipment / Actual problems in engineering. 2015. No. 2. Pp. 370 – 375.

7. Goldstein, M. I., Grachev S., Wexler YG Special steel.$-$ Moscow:Publishing Metallurgy, 1985. $-$408 p.

8. Feodosiev V. I. Strength of materials / V. I. feodosiev: textbook for universities.$-$ Moscow. Publishing MGTU. 2000. $-$592 p.

9. Krokha V. A. Curves of hardening of metals under cold deformation. $-$ Moscow: Publishing Engineering. 1968. $-$131 p.

10. Markovets M. P. on the relationship between hardness and other mechanical properties of metals / research in the field of hardness measurement. Proceedings of the metrological institutes of the USSR $-$Moscow. - Leningrad: Publishing. Standards'. 1967. Vol. 91 (151).$-$76 p.

11. Markovets M.Р. Determination of mechanical properties of metal by hardness. $-$ Moscow: Publishing Mechanical Engineering, 1970. $-$ 191 p.

12. Chukin M. V., Paleckova p. P., Gushchina M. S., Berezhnaya, G. A., Determination of mechanical properties vysokoprochnost and sverkhprovodniki steels in hardness/ Manufacture of hire. 2016. No. 12. Pp. 37 – 42.

13. Friedman A.V. Mechanical properties of metals. Part 1. Deformation and destruction. $-$Moscow: Publishing Mechanical Engineering, 1972. $-$ 472 p.

14. Potapova U. V., Yartsev V. P. the Theory of plasticity and creep under complex stress condition. -Moscow: Publishing Mechanical engineering -1. 2005.$-$ 244c.

15 Calpin YG deformation Resistance and ductility of metals under pressure treatment / Y. G. Culpin, V. I. Perfilov, P. A. Petrov, V. A. Ryabov, Yu. K. Filippov. $-$ Moscow: Publishing Mechanical Engineering. 2011. $- $244 p.

16. Potapova L. B. Mechanics of materials under complex stress state as predicted by the stress limit. – Moscow: Publishing Mechanical engineering, No. 1. 2005. $-$ 244 p.

17. Finkel V. M. Physical bases of inhibition of destruction. -Moscow: Publishing Metallurgy. 1977. 360 p.

18. Demidov A. V. the Methods of manufacturing of cold drawn wire with high ductility by additional radial deformations / Casting and metallurgy. 2006. No. 4 (40). Pp. 40 – 43.

19. Fichtenholz G. M. Course of differential and integral calculus. Vol.2.SPb. Publishing: Lan. 2018 – 612 р.

20. Velikotsky R. E., Laminina S. V. Influence of chemical composition on mechanical properties of steel 10KHSND / Bulletin of the Kuzbass state technical University. 2004. No. 4, Pp. 90 – 93.

21 Vasilyev G. G., Elagin T. V. About expediency of the account of the magnitude of the ratio of yield strength to the temporary resistance in the selection of pipes for construction in difficult conditions / Pipeline transport. Theory and practice. 2013, № 5 (39). Pp. 34 – 38.