

B.P. Sereda, professor, d.t.s.

V.I. Ivatshenko, associate professor, c.t.s.

V.M. Protsenko, associate professor, c.t.s.

A.S. Zhagrov, associate professor, c.t.s.

THE STATE OF PRODUCTION AND CONSUMPTION OF ROLLING FOR BLACK METALS IN UKRAINE

Zaporozhe state engineering academy, Ukraine

The analysis of statistical facts for a production, import and export of rolling metal products in Ukraine in the last few years has been offered. The performances of consumption of rolled metal in the world and its individual regions have been analyses.

Keywords: rolled metal, production, consumption, import, export

A production of rolled metal in Ukraine is important part of mining and metallurgical complex and it is presented by a reducing production, and also production of the finished and of sort rolled metal.

A reducing production is presented by nine blooming, two clabbers and six continuously-billet rolling mills. The production capacity of this production makes 39.4 million tons (project power is 41.1 million tons). The degree of equipment wear on the separate types of rolling mills hesitates from 59 to 96 %, and, on the whole, it is arrives at 69 %.

Putting into the operation of reducing rolling mills of Ukraine, mainly, is in the 50-years old of past century. First-ever, in 1933, blooming «1150» was started on the Makeyevka metallurgical combine, and the latest, in 1964, the blooming № 2 «1300» starting on a metallurgical combine «Krivorozhsteel» is carried out. In spite of the conducted major repairs and reconstructions of blooming, and also continuously-purveyance rolling mills during the 70-years-old interval of time the general technical level of reducing production of Ukraine substantially falls behind from the technical level of front-rank metallurgical enterprises of near and distant foreignness.

The production of the prepared and of high quality rolled metal at the metallurgical enterprises of Ukraine is presented by one tube-billet mill; three by rail and structural steel rolling mills; family of large-section rolling mills, nine medium-section rolling mills and eight of light-section rolling mills, by one light-section-tin rolling mill; by four wire rolling mills; by nine rolling mills of the hot rolling of sheet; by six rolling mills of the cold rolling of sheet; by one universal rolling mill and two rolling mills of wire.

The general production capacity of section-rolling mills on 01.01.2004 made 17.7 million tons, including. 3.2 million tons is on rail and structural steel rolling mills and 3 million tons – on wire rolling mills. The degree of wear of these rolling mills hesitates scope from 29 to 90 %.

The production capacity of mills for the hot rolling of sheet made 13.98 million tons, for rolling mills of the cold rolling of sheet – 2.47 million tons. The number of there mills on the technical descriptions answers the best foreign analogues [1,2].

The basic regions of Ukraine, where the production of rolled metal is concentrated are:

- it is the Donetsk region (about 50 %): OAS the «Illich's Mariupol metallurgical combine» (MMC), OAS the «Metallurgical combine «Azovsteel» (Azovsteel), OAS the «Yenakiyevo metallurgical combine» (EMC), PAC the «Makeyevka metallurgical plant» (MMP), PAC the «Donetsk electrometallurgy plant» (DEMP), PAC the «Donetsk metallurgical plant» (DMP), PAC the «Donetsk metal-rolling plant» (DMRP);

- it is the Dnepropetrovsk region (about 30 %): Private plant «Arselor-Metal» (Krivoj Rog), OAS the «Dzershinsk Dniprovsk metallurgical combine» (DDMC), OAS the «Petrovsky Dniprovsky metallurgical combine» (PDMC);

- it is the Zaporozhe region (about 10 %): OAS the «Metallurgical combine «Zaporozhsteel» (Zaporozhstal); PAC the «Electrometallurgy plant «Dneprospetsstal»;

- it is the Luhansk region (about 10 %): OAS of «Alchevsky metallurgical combine» (AMC).

The substantial decline of rolled metal production has been marked. If in 1990 a volume of the rolled metal production made 38.9 million tons, then in 2012 – only 26.1 million tons, id est less than on 12.8 million tons (33 %), that it is possible to compare to the stop productions on MMC, «Azovsteel» and DEMP together taken.

Most substantial decline of rolled metal production in relation to 2006 happened on DMP – 78.4 %, DEMP – 61.0 %, «Azovsteel» – 48.5 %, «MMC» – 31.80 %, «Arselor-Metal» – 20.8 %. PAC the «DMRP» is shut-down.

By prognoses [3] the rolled metal production in 2013 on Ukraine will make 31 million tons.

Metallurgical industry of Ukraine traditionally has the brightly expressed export orientation [4,5], thus an about 40.0 % Ukrainian export is on half-finished products, foremost, on purveyances. In 2012 83.5 % to the rolled metal production it was sent abroad, and an import in relation to 2009 increased at two times, and an internal consumption from an own production made only 16.5 %. Thus, there is not support of own producer, and investing for foreign producer.

In 2012 36.3 % rolled metal production of Ukraine exported in countries Near Ost and North Africa (including Turkey); 33.9 % – to Europe; 18.3 % – at the countries of CIS (including, 12.0 % in Russian Federation). Thus, if 1991 to the market of products was determined mainly by development and necessity for republics of Soviet Union, then presently he fell down to the level of necessity of the African countries.

In 2013 economic development in most regions will be insignificant. By data of IMF the increase of world GDP in 2013 can make 3.6 %, and that number in China – 8.2 %, in Russian Federation – 3.8 %, in Turkey – 3.5 %, in USA – 2.1 %, in Ukraine – 2.0 %, in countries of EU – 0.5 %. However some domestic experts consider that this index is overpriced [4-6].

Production and consumption of rolled metal in Ukraine presently substantially went down as compared to 1990. The most subzero indexes looked after in 2008-2009, that it is related to the world economic crisis.

The brightly expressed export orientation in a production and some increase of import on the separate types of rolled metal production are take place of Ukraine.

Conclusions. A production and consumption of rolling metal in Ukraine presently substantially went down by comparison to 1990. The most subzero indexes are fixed in 2008-2009, that it is related to the presence of world economic crisis. An export orientation in a production and some increase of import is brightly expressed to the separate types of rolling production of Ukraine take place. The export orientation of Ukraine metallurgy can be monastic due to expansion of internal market of consumption for metal production and creation of the new government program of development of mining-smelting complex of country.

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