

## **RUIE “Borisov plant “Avtogydrousilitel”**

**the products with the use of new and high technologies included into the state register of high-tech enterprises.**

RUIE “Borisov plant “Avtogydrousilitel” specializes in producing of components of steering gears including steering gears with hydraulic booster and different elements of hydraulic equipment for commercial vehicles, automobiles, buses, trolleybuses and road-building machines. The enterprise provides a complete set of car assembly conveyors of the largest car factories of Republic of Belarus, Russian Federation, Ukraine such as RUIE “MAZ”, JSC “GAZ”, JSC “UAZ”, JSC “Pavlovskiy bus”, JSC “KamAZ”, HC “AutoKrAZ”.

Manufacture has significant park of the precision, high-efficiency and unique equipment and measuring means. All final operations are equipped with production gage. There are high-precision electronic and pneumatic devises, fast-acting check and check-sort automatic machines. Manufacture of hydraulic units of steering gears with hydraulic booster of an integrated type is included in the Registry of high technological manufactures and enterprises of Republic of Belarus for the term till 2008 (inclusive). Registration number №102-IIPO. Date of registration: 4<sup>th</sup> august 2003.

### **List of products of RUIE “Borisov plant “Avtogydrousilitel” that are produced with application of high technologies.**

Name of products that are produced with application of high technologies	Basic parameters and technical characteristics	Advantages of products as compared with foreign analogues
Steering gears with ball-and-screw transmission and hydraulic booster of an integrated type	Moment on shaft-sector at pressure 12,5 MPa and efficiency 90% = 1083 Nm Hydraulic backlash no more than 6° Specific material capacity (ratio of moment on shaft-sector to mass of mechanism) 90,2 Nm/kg	Meet to world standard requirements
Pumps of hydraulic booster of lamellate type with regulable system of output parameters of developing pressure and volume feeding	Volume feeding: At 800 rotation/min no less than 4,8 l/min At 2000 rotation/min no less than 7,3 l/min Max. pressure 12,5±0,5 MPa	Meet to world standard requirements
Bowls with built-in valving of pressure and full flow thin clearing of oil	Productivity (9-18) l/min at pressure on output 5,5 MPa Tuned pressure of safety valve (6,5-7,5) MPa	Meet to world standard requirements

Producing start date:  
Steering gears – 1998  
Pumps                1995  
Oil bowls            2000

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Enclosure: information on HDD – 1 item

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