

# The company intends to introduce CLS450 to the external market

The first model of shearer CLS450 allowed the miners of Dobropolskaya Mine (DTEK) to increase daily coal production capacity for up to 65% and reduce time required for the longwall equipment maintenance almost twice. Corum Group started serial manufacturing of new generation shearers and delivered CLS450 No. 2 to the Belozerskoye Mine Administration (DTEK).



## CLS450 NO. 2 IS BETTER THAN THE PREVIOUS MODEL

The shearer CLS450 substituted old mining equipment RKU-10, RKU-13, and 2GSh68B that has been used at the mines of Doprolyeugol (DTEK). New Corum equipment shall become a perfect alternative for both Ukrainian and foreign shearers: MB410E of Czech company T Machinery and KGS25 of Polish Company Famur.

Our shearer CLS450 No. 1 has been successfully tested at the Dobropolskaya Mine. 70,000 t of coal is produced there for a month that is more than provided by the month schedule. Our equipment operates at the same level as European analogs, and its price is lower. Corum designers have developed a system of the shearer control and electric equipment where the parts of European

manufacturers are used; herewith, modern technologies and high quality of the steel grades applied allowed increasing CLS450 resource and making it equal to its foreign analogs.

The following remarks of the miners to the first model were considered when producing CLS450 No. 2: new high-capacity pump, installed additional external spraying system and supplementary abrasion protection. The shearer was even better than the previous model. Today, the company is actively working to introduce serial CLS450 to the markets of Russia, Kazakhstan, and Poland.

## CLS450 NO. 1 EXTRACTS MORE THAN 1 MLN T OF COAL

Corum Group upgraded CLS450 No. 1 for the ninth northern



Anatoliy  
KOROLCHUK,  
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Longwall  
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manager

«There are the following fundamental differences between CLS450 No. 2 and CLS450 No. 1: upgraded electric hydraulic equipment, additional abrasion protection, and cutting drive diameter increased to 1.4 m. CLS450 No. 2 will be operated at the seams of 1.45–1.55 m, while the first model operates at the seams of 1.25 m. A designed capacity of the shearer is up to 4,000 t a day, in case if there are no methane and dust restrictions».

longwall of Dobropolskaya Mine, which is part of Dobropolyeugol (DTEK). As was provided by the technical task, our designers improved supporting-movement system and put the shearer lower to enable its operation in the seams of 1.18–1.25 m. Using the upgraded equipment, the miners managed to extract more pure coal. CLS450 No. 1 produced over 1 million t of coal in 15 months.

CLS450 No. 1 is equipped with the latest automated control system and characterized by high capacity (up to 14.8 t per minute), it is safe and enables to reduce maintenance time by 40%; herewith, its performance is increased by 65%.