

Annotation to discipline “Automobile Gas-Filling Compressor Stations”

Total work content of discipline learning is 3 points of credit (108 hours).

Purpose of discipline. Give future mining engineers - specialists in the field of technology accumulation and transport of captured methane from coal mines theoretical values on the basic technological processes, equipment and operating parameters automobile gas-filling compressor stations (AGFCS). The implementation of this knowledge into practice, will assist in enhancing the quality and utilization of coal mine gas and the prevention of environmental pollution.

Tasks of discipline. Understand the principles and processes are the key to the AGFCS, equipment and operation of the main and auxiliary equipment, methods of calculation of the basic process, the procedure of design and operation.

Main didactic units (parts).

Natural gas instead of liquid fuels.

Motor fuel from natural gas.

Experience in the use of compressed gas motor fuel.

The use of liquefied petroleum gases.

Environmental performance using a gas engine fuel.

Modern Automotive gas-filled compressor stations.

Application gas compressors on AGFCS.

Stationary and small garage AGFCS.

Mobile gas-filled (MGF).