

**MINISTRY OF HIGHER AND SECONDARY SPECIALIZED
EDUCATION OF THE REPUBLIC OF UZBEKISTAN**

**ANDIJAN MACHINE-BUILDING INSTITUTE DEPARTMENT
OF “MASTER`S”**

**In the specialty – “Automobile-building and traktor-
building”**

1-course master`s

Independent work

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Foreword

The lecture of the President of the Republic of Uzbekistan I. A. Karimov "All the plans and projects should serve to the development of our country" is a tremendous portion to the political thought treasure and plays main role in learning the history of our nation.

As we know, all over the world the petroleum and gas wells are going to an end, so we should wisely use the fuel biological burning materials. As our honorable President has told, the next main task is modernization of car industry and agro system and the development of people's life circumstances and infrastructure.

As it is known, car transportation is one of the main consummators of biological liquid burning materials. That's why, the produced cars should have high level of economical-technique indication and low level of fuel consumption. In order to fulfill this main task, we should develop the number of scientific works in this sphere, for this the most intelligent scientific workers and constructor should be hired.

Main part

We have analyzed Richard Clam's hydro generator, made its prototype and tested it, and decided to produce it in our region. We have compared the advantages and disadvantages of upper mentioned engines, in order to perfect this engine we have made the following version of it.

The working aspects of this hydro generator is following: plant oil is poured into Carter 1, it is sucked by the Pump 2, is sent to central fug 3. The pump 2 with the help of the car's starter gets 12 W energy from electrical storage battery and circulates it.

Cones wave 4 is fastened to vertical roller, and holding parts 5. The pipes 6 are surrounded as channels to the outer part of the cones. These pipes 6 go through the cones and ends up in a form of vase.

The plant oil is pumped to the roller in pressure of 2.1-3.5 mPa, goes through dense ways of the cones. This makes the cones to rotate.

As the speed goes up the plant oil heats up. In order to keep it's temperature the radiator, thermostat and filter operates. As the certain speed is achieved, the cone starts to rotate besides the engine. The speed is 1800-2300 in a minute.

