

Method of Formation of Fuel less Engine

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Abstract -- Concept of make fuel less engine is based on to used the gravitational energy to mechanical or electrical energy .Present time we use the gravitational energy with help of flowing water or liquid .But in this paper we use to technique of hydraulic pump and pressure of liquid to convert gravitational energy to electrical or mechanical energy .The most critical problem the word protect our environment. Which cause by human activity and in each human activity need the energy drawn from many sources as petrol, diesel, cook, nuclear energy, gas etc. The energy produced by these sources is because many type of pollution. The polluted environment is harmful to every living thing on earth. So we have needed to produce energy such as way that is pollution free. This work is powerful tools that make environment free from pollution and give to energy for humankind. The whole on ozone layer is a big problem which cause by CO2, Which prepared from burning of fuel mostly. This work is a light of hope make earth grean, clean and full of joy.

I. INTRODUCTION

The idea to forming fuel less engine ,motor , machine is started about 19th century in 1928 LESTER HENDERSHOT made fuel less generator based on magnetic field of earth and magnetic field placed in generator. He find patent on 12 November 1928 (USA).In Nigeria work done formation fuel less generator on basis of chemical reaction to produce energy .Indian technologist have worked to formation of fuel less engine on basis of gravitational energy as source of energy. Savitri bai plule Pune university pune India gave a method to form engine use flywheel. So formation of fuel less engine using gravitational energy difficult work. There are mainly two part theoretical and practical .In this research paper focus on theoretical part on basis of practical situation.

II. MATERIALS AND METHODOLOGY

There are four parts in the engine:

- Liquid container
- Balls
- Hydraulic pump

- Turbine or Dynamo

Here container contain liquid of density ρ and ball density ρ_1 ($\rho > \rho_1$).The hydraulic system use to enter the ball in the container to use small amount of energy .When ball enter in liquid it will be move upward and reached at surface level then it pushed down on the fan of turbine or dynamo . Then dynamo or turbine move and electric will be generated.

III. PRINCIPLE OF ENGINE

If the height of container containing liquid is h, and density of liquid ρ

The pressure of liquid at the bottom = ρgh

If radius of ball is r and density ρ_1 .

Then we need to the force to enter the ball in liquid = $\rho gh \pi r^3$

The work done to enter the ball in liquid = $2\rho gh \pi r^3$

But this work will be reducing with help of hydraulic system. If area of hydraulic system pushing ball is A_1 and area of hydraulic system giving pressure is A_2 , A_2 is very large than A_1 .Then we apply small pressure P_2 on A_2 then it give force $A_2 P_2$ on the ball.

Then work done to enter the ball = $A_1 P_2 r$

Now when ball reached at surface level, it will be pushed down on fan of turbine or dynamo.

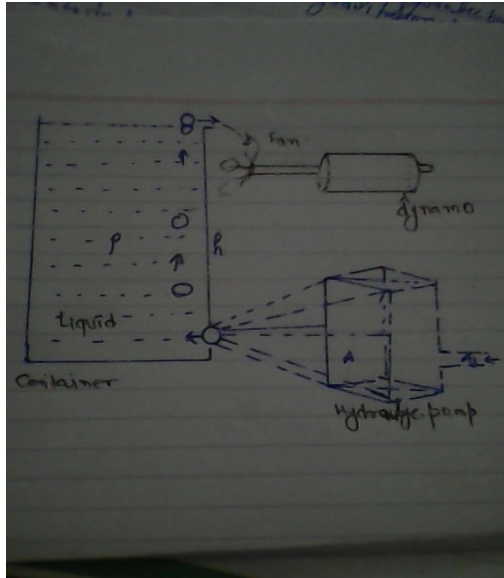
Then energy release on falling the ball = $\pi r^3 \rho_1 gh$

Energy require to enter the ball into container = $2 P_2 A_2 r$

Net gain energy = $\pi r^3 \rho_1 gh - 2 P_2 A_2 r$

If we cannot find liquid and material of ball to appropriate density .In this situation we join a pipe between top and bottom of container .Maintain

pressure to flow the liquid continuous to move the dynamo. Then we need to modify current design.



- [3] S.U Maji, M.S Mane, C. Kshirsagar, A. Jagdule, D. Malgar, conventional free energy using flywheel, vol-4 Issue 02 ,2016 / ISSN(ONLINE) 2312-0613.
- [4] Abatan O.A, Adewale A.O, Alabi A.A, Electricity generation from a fuel less engine in an isolated power generation system, ISSN 2250-2459, ISO 9001:2008 certified journal volume 3 issues 12 December 2013.

IV. CONCLUSION

According to above discussion it is clear that each ball give $\frac{4}{3}\pi r^3 \rho_1 g h - 2P_1 A_1 r$ joule energy. iterating to this process we can form fuel less engine. Now we are able to make an engine without fuel, so there is need technical instrument and support of technology. The help of technology it is easy to assemble the component of engine. Another important things are that to adjust the density of liquid and material of ball. If, it is impossible to find the combination of liquid and material of ball, then we can make fuel less engine by maintain the pressure to flow the liquid with help of hydraulic pump.

REFERENCES

- [1] J.O Otulan, A.A Akinwunm, J.A awoyemi, M.B Adeleke, M. I Efunbate orelaja, construction of a fuel less generator, vol.2 Issue 1 pp (285-289) month: April 2015 – September 2015.
- [2] Ajav, E.A and Adewami, I.O, fuel less engine, third international conference on engineering and technology research, august 5-7, 2014 ISBN: 978-2902-58-6 volume 3.