

Abstract Details

Title: Experimental Analysis Design of Air Driven Engine

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Abstract: The excess exploitation of natural resources (especially in our contexts diesel and petrol) is the major cause of concern in the world. In the normal design engine diesel, petrol and natural gases are being utilized. It is also a fact that these natural resources are not unlimited and there is a need to maintain their exploitation for future. It is challenge for the scientific and the technical individuals to comment with certain fuels other than the above so that the available limited source of our natural resources are maintained. Keeping in the view above social responsibility, the following options are available-

- Natural air
- Bio diesel
- Solar energy
- Water

Keeping in the view the various pros and cons of the above, it has been decided to work with natural air due to abounds availability in the nature. The air driven engine may be the point of research. Air driven engine may help to reduce the demand of conventional fuels.

Thus the objective of this research is to design & modify the four stroke petrol engine into the compressed air engine by modification in the cam lobes and also evaluate the comparison of economic characteristics between compressed air engine four stroke SI engines. By experimental investigation it is found that compressed air engine can run per kilometre at expense of 60 to 70 paisa.

Keywords: Compressed air driven engine, Investigation, Cam.