









## 9. Conclusion

Our experiment found that the density of fresh HHO is 51 percent higher than what would be expected but there was no error analysis of the measurement. The exact molecular composition of fresh HHO is uncertain. The average of all the EYv is 6.5Mj/g and the maximum value is 14.89Mj/g also the maximum value of 14.89Mj/g is over 105 times higher than the heat of combustion of hydrogen gas 0.1419Mj/g the HHO generation which can be used is simple, easily constructed, and easily integrated with existing engine at optimal cost. The optimal size is when the surface area of an electrolyte needed to generate sufficient amount of HHO is twenty times that of the piston surface area also the volume of water needed in the cell is about one and half times the engine capacity.

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