

# An Experimental Investigation of the Energy Balance in a 1.0 I L3 Engine

張文峰、鄭錕燦

E-mail: 8604551@mail.dyu.edu.tw

## ABSTRACT

This thesis discloses the results of an experimental research into the energy balance and friction losses of a 1.0 liter L3 passenger car engine. Measurements of engine operating parameters, such as cylinder pressure, brake torque, fuel consumption, mass flowrate of intake air and coolant, temperature of inlet/outlet coolant, temperature and composition of exhaust gas were taken to find out where the energy goes. When measuring friction losses, both intact engine and knocked down engine were motored by engine dynamometer. The results of this research compared closely with the results find in the literature.

Keywords :

## Table of Contents

0

## REFERENCES

0