

عنوان مقاله:

Amir Hossein Hamad¹, Mohsen Mohsenirad², Amir Hossein Parivar³, Arash Mohammadi⁴

محل انتشار:

یازدهمین همایش بین المللی موتورهای درونسوز و نفت (سال: 1398)

تعداد صفحات اصل مقاله: 5

نویسندگان:

Amir Hossein Hamad - Iran Khodro Powertrain Company

Mohsen Mohsenirad - Iran Khodro Powertrain Company

Amirhossein Parivar - Iran Khodro Powertrain Company

Arash Mohammadi - Faculty of Mechanical Engineering Department, Shahid Rajaei Teacher Training university

خلاصه مقاله:

The recent developments on internal combustion engines always requires a better control of all of engine systems. Optimizing cooling system in order to get higher engine output and lower emissions is the target of cars' manufacture. Advanced automotive thermal management systems integrate electro-mechanical components for improved fuel consumption. This paper describes the effect of engine coolant temperature on performance, emission naturally aspirated and turbocharged spark ignited engine. The engine was tested at different coolant temperatures and performance and emissions were measured. Fuel consumption, brake specific fuel consumption, unburned hydrocarbon, carbon monoxide, oxides of nitrogen were measured experimentally. The results showed that with increasing coolant temperature unburned hydrocarbon decreases but carbon monoxide and oxides of nitrogen increase.

کلمات کلیدی:

national engine, Coolant temperature, fuel consumption, emission

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1015478>

