

عنوان مقاله:

Investigation of Dual Fuel Diesel Engine With Particular Reference to Engine Cycle Model

محل انتشار:

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خلاصه مقاله:

In order to use gaseous fuels in Diesel Engines, Dual-Fuel Diesel Engine (D. F. D. E) the pilot injection approach is chosen. To predict its performance, an engine cycle model, based on limited-pressure Diesel cycle, is constructed. The model predicts D. F. D. E performance with LPG, and CNG gases. Comparing with pure Diesel engine, by increasing gas proportion in dual-fuel, indicated power and hence indicated mean effective pressure are increased. Effect on thermal efficiency is not so appreciable, but indicated specific fuel consumption is quite considerable, and hence fuel economy of D. F. D. E is superior.

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

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