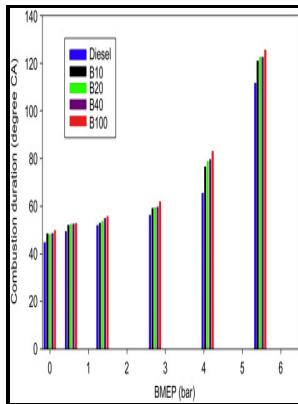


Emissions from a gas-burning pulse combustor

Middlesex University - Pulse combustion: recent applications and research issues



Description: -

-Emissions from a gas-burning pulse combustor

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Notes: Thesis submitted in partial fulfilment of the requirements for the degree of Doctor of Philosophy.

This edition was published in 1993



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Tags: #Experimental #study #of #the #gaseous #and #particulate #matter #emissions #from #a #gas #turbine #combustor #burning #butyl #butyrate #and #ethanol #blends

Experimental study of the gaseous and particulate matter emissions from a gas turbine combustor burning butyl butyrate and ethanol blends

Other emissions from improperly operated flares may include, , , and , which are known to be carcinogenic. Click on images for a larger size Air toxics emissions The table below shows how much emissions from MSW combustion facilities have declined post-MACT from 1990-2005.

The Pulse Flame Combustor Revisited

Two prototypes have been built and are undergoing testing. Energy Conversion and Management 2018, 173 , 640-658.

Air Emissions from MSW Combustion Facilities

The oxidation process is endothermic and it only proceeds at temperatures above 1800 K. In operation, as gas turbine engine 10 is started and operated at idle operating conditions, fuel and air are supplied to combustor 16. Simultaneously, airflow enters pilot swirlers 60 and main mixer swirler 140.

Experimental study of the gaseous and particulate matter emissions from a gas turbine combustor burning butyl butyrate and ethanol blends

Centerbody 43 defines a chamber 50 that is in flow communication with, and downstream from, pilot mixer 42.

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