

High Pressure Ignition Chemistry of Alternative Fuels

Bryan William WeberPh.D.

University of Connecticut, 2014

Abstract

High Pressure Ignition Chemistry of Alternative Fuels

Bryan William Weber

B.S., Case Western Reserve University, 2009

M.S., University of Connecticut, 2010

A Dissertation

Submitted in Partial Fulfillment of the

Requirements for the Degree of Doctor of Philosophy

at the

University of Connecticut

2014

Copyright ©2014 Bryan William Weber



This work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0
International License.

http://creativecommons.org/licenses/by-nc-nd/4.0/deed.en_US

APPROVAL PAGE

Doctor of Philosophy Dissertation

High Pressure Ignition Chemistry of Alternative Fuels

Presented by

Bryan William Weber, B.S., M.S.

Major Advisor _____

Chih-Jen Sung

Associate Advisor _____

Baki Cetegen

Associate Advisor _____

Michael Renfro

University of Connecticut

2014

Chapter 1

Acknowledgements

So long, and thanks for all the fish.

Contents

1	Acknowledgements	ii
2	Introduction	1

Chapter 2

Introduction

This is the start of the introduction.