LIST OF ABBREVIATIONS

bTDC - before Top Dead Centre
BSFC - Brake Specific Fuel Consumption
BTE - Brake Thermal Efficiency
CO - Carbon Monoxide
cSt - centi Stoke
CI - Compression Ignition
CA - Crank angle
cc - cubic centimeter
DAQ - Data acquisition system
DI - Direct Injection
EGT - Exhaust Gas Temperature
FTIR - Fourier Transform Infrared Spectroscopy
GC/MS - Gas chromatography and Mass spectrometry
HSU - Hartridge smoke unit
HDPE - High density polyethylene
HLB - Hydrophilic Lipophilic balance
JME - Jatropha Methyl Ester
J - Joule
kW - kilo Watt
LDPE - Low density polyethylene
NOX - Oxides of Nitrogen
PM - Particulate Matter
ppm - parts per million
PET - Polyethylene terephthalate
P-θ - Pressure-crank angle
SI - Spark Ignition
TDC - Top dead centre
UBHC - Unburnt Hydrocarbon
WPO - Waste Plastic Oil
PD - Waste Plastic oil + Diesel
PJ - Waste Plastic oil + Jatropha Methyl Ester oil
PW - Waste Plastic oil + Water Emulsion
PW30 - Waste plastic oil 70% and water emulsion 30%
PD20 - Waste plastic oil 80% and diesel 20%
PJ20 - Waste plastic oil 80% and Jatropha methyl ester 20%
PW20 - Waste plastic oil 80% and water emulsion 20%
PD10 - Waste plastic oil 90% and diesel 10%
PJ10 - Waste plastic oil 90% and Jatropha methyl ester 10%
PW10 - Waste plastic oil 90% and water emulsion 10%
ZSM-5 - Zeolite socony mobil-5