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NOMENCLATURE

AFT	Adiabatic flame temperature
C	Fuel cost
HHV	High Heating Value
LHV	Low Heating Value
\dot{m}	Mass flow rate
N	Angular speed
OS	Opacity smoke
SC	Specific fuel consumption
S	Diesel oil substitution
T_g	Exhaust gas temperature
\dot{V}	Volumetric flow rate
V	Volume
VEC	Viable ethanol cost
\dot{W}	Electric power
y	Mass fraction

Greek symbols

ϵ	Exergy
λ	Air excess
H	Efficiency

Subscripts

c	Carbon
d	Diesel oil
df	Dual fuel
d,i	Diesel oil initial
e	Ethanol
h	Hydrogen
o	Oxygen
s	Sulfur
ϵ	Exergy