

Table 7 Comparison of properties of Pyrolysis oil with diesel (Antony et al., 2010)

Properties	Diesel	Pyrolysis oil	Effects
Calorific value (MJ/kg)	42.151	19.66	Effects in engine performance
Conradson carbon residue	0.30	14.90	Affect the engine, deposited in injector
Kinematic viscosity at 40°C cSt	2.0~4.5	7.4	Effects in pumping, fuel injection
Flash point °C	80	140	Safety storage. High fire point leading to starting problem
Pour point	2	4	Effects in cold condition
Ash content (%)	0.01~0.1	0.1	Erosion and corrosions
Acidity as mg of KOH/gm	0.20	87.84	Damage to injector, deposits in fuel systems like pump filters etc.