

파일럿 규모 석탄보일러 장비를 활용한 바이오매스  
혼소 적용 회분 거동 연구

최석천, 장영석, 채태영, 이재욱, 양 원†

한국생산기술연구원

(yangwon@kitech.re.kr†)

Ash deposit on Pulverized Coal(PC) boiler is more important issue in Korean power plants sector due to increasing low grade coals. Ash deposit may cause of slagging and fouling phenomenon which significant effect on the operational life of PC boiler. The object of this study is to observe slagging and fouling characteristics using pilot scale of PC furnace. In present study, two different biomass such as wood pallet and Palm Kernel Shell (PKS) are used. In order to observed slagging and fouling characteristics method of X-ray diffraction(XRD) and Inductively coupled plasma(ICP) are performed in present study.