

Study on potential feasibility of biomethane as a vehicle fuel in Korea

김재곤*, 임의순, 정충섭, 임재혁, 김기동¹, 오영삼¹
한국석유관리원 석유기술연구소; ¹한국가스공사 연구개발원
(jkkim@kpetro.or.kr*)

Recently, biogas projects for vehicle fuel are newly being launched and Korea government has also announced a plan for investment to develop biogas as a transport fuel and it was established quality standard of biogas as a transport fuel in clean air conservation act. In this study, it is aimed to examine the potential feasibility of biomethane as a transport fuel. As a result, the status of biomethane production, quality characteristics, quality standard and upgrading technology of biogas were investigated to evaluate of biomethane as a vehicle fuel of transportation. It was investigated emission performance with biomethane as a vehicle fuel compared to natural gas. This research was supported by the Korea Gas Corporation (KOGAS) under program for development of biogas to use transport fuel (2011~2013).