

Study of Energy Efficiency by Double Prefractionator Arrangement in Natural Gas Liquids Recovery Process

김안나, 롱벤텍, 이문용*
영남대학교
(mynlee@ynu.ac.kr*)

We were the first research on the application of double prefractionator arrangement (DPA) to improve the performance in depropanizing, debutanizing and deisobutanizing fractionation steps in NGL processing. As a slight modification to the existing process of 20% energy savings and lower cost of design can bring results. The strengthening of international environmental regulations and Korea now the government's 'green growth' savings associated with the processing of raw materials and energy saving design and reduced carbon dioxide emissions can be seen as an important element. Studies often focus on the pure economic and energy savings to build the right environment can be directly related to the performance that this study is trying to show through.