BRIEF PLANT DESCRIPTION

Phoenix Equipment has for sale a 32,000 BPD Hydrodesulfurization (HDS) Unit. This HDS unit is used to desulfurize Light Gas Oil (LGO) and Kerosene to produce a low sulfur product, Ultra Low Sulfur Diesel (ULSD). This catalytic process is designed for 32,000 BPD of Light Gas Oil (LGO). The catalytic process of hydrodesulfurization (hydrotreating) is used to remove sulfur compounds from refined petroleum products. One reason for removing sulfur is to reduce sulfur dioxide SO₂ emissions that result from fuel combustion of petroleum products. Another purpose for removing sulfur from the intermediate product naptha streams within a refinery is that sulfur, even in extremely low concentrations, can severely damage the metal catalysts platinum and rhenium in the catalytic reforming units that are used to upgrade the octane rating in naptha streams. Hydrogenation of sulfur results in the toxic compound of Hydrogen Sulfide. In refineries, toxic hydrogen sulfide is converted into biproduct elemental sulfur.