



Catalyst Loaded & Alternative Uses for Plant PK-8840

Plant was originally designed to desulfurize 1.5 m³/hr / 226 bpd of diesel.

The unit can easily be repurposed to perform isomerization, heteroatom removal, de-nitrogenation, de-oxygenation, de-chlorination, de-metallization, de-waxing, cloud point reduction, olefin saturation, de-aromatization, mild hydro-cracking etc.

The unit is suitable to process a wide range of feeds including conventional hydrocarbons, pyrolysis oils, seed oils, animal fat, waste cooking oil, halogenated organic compounds, etc. The reactor can accommodate between 2.1 to 10.4 m³/hr (315 to 1574 bpd) of feed treating capacity depending on selected feedstock, process, catalyst activity, and desired reaction severity.

Catalyst Loaded: Barely used, the reactor is pre-loaded with 4.17 m³ of pre-sulfided CoMo Al₂O₃ desulfurization catalyst. The gas scrubber is pre-loaded with 14.2 m³ of sulfatreat adsorbent in the gas scrubber.