Additions of FCC-Feed Gasoil Hidrotreating units to refining schemes has reasons both economic and enviromental. Gasoil DDT, besides of lowering significantly the sulfur content of FCC products, as well as the emissions of the unit, allows the unit profitability improvement by increasing the gasoline yield. In addition, Gasoil HDI gives the possibility of treating more heavy feeds in FCC, by deleting metals and asphaltenes. HDT process generally uses fixed-bed reactors. HDT severely depends on the feedstock origin and the product specifications. Reaction temperatures vary from 350 to 400 degrees C and pressures from 45 to 140 Kg/cm2. Space-velocity range is 0.1-1.0 and hydrogen consumption is 350-2500 CF/BBL. Investment payback period is 2-3 years. An interesting option to this process is to select hidrocracking-oriental catalipts, giving as result a decrease of FCCfeed and improved refinery flexibility, by increasing naphtha, kerosene and diesel yields. This option also improves profitability.

Keywords
gasoil, hidrotreating, catalipts.