HP DUCER

A Dispersant Chemical for Diesel Hydroprocessing Units

Description:

Diesel Hydroprocessing units are reactors designed to operate with liquid feed within a particular pressure drop across the catalyst bed/reactor. The pressure drop dictates the unit energy performance, throughput of the unit, etc. Increase in pressure drop is one of the most common issues faced by hydroprocessing fixed bed reactors in refineries. Operating at higher pressure drop leads to higher energy consumption leading to increased carbon footprint of the unit.

After an extensive testing in lab scale and pilot scale, HP Green R&D Centre has developed a novel hydrocarbon-based additive (HP DUCER) which removes effectively the hard scales and solid deposits inside a reactor in-situ and helps in pressure drop reduction across the fixed bed of reactor.

Advantages:

Eliminates the need of additional catalyst requirement, unplanned shutdown, reduces additional energy requirement and overall carbon footprint of the unit.

Applications:

Diesel Hydroprocessing Units of Petroleum and Petrochemical Refineries