



HP DEMU

A Demulsifying Additive for Crude Desalting Units

Description:

All crude oils contain oil insoluble impurities such as salts and sediments. Adverse effects of these impurities can result in frequent shutdowns and equipment failure. To prevent corrosion and fouling of equipment, electrical desalting units are installed in crude oil distillation units to remove water soluble salts from oil. Chemical demulsifiers are added to promote the water-oil emulsion breaking. Existing demulsifiers are not effective for heavy and high salt content crude like Basrah Heavy, due to higher amount of natural surfactants like asphaltenes.

In order to improve the efficiency of desalter operations through chemical route, particularly for heavy and high salt content crudes, HP DEMU has been developed in house at HP Green R&D Centre.

Advantages:

Improved salt removal from crude. Less carryover of oil & grease in effluent water.

Applications:

Electrical Desalting Units of Crude Oil Distillation Units