When handling residual products from thermal processes or when crude oils are blended at the wrong proportions or in the wrong order, fouling from precipitated asphaltenes can occur. This incompatibility can cause increased processing time and additional maintenance and energy costs as well as a lack of credibility for our customer's products on the open market.

In order for refiners to have faith in opportunity crudes on the market, a comprehensive compatibility testing will provide the buyer confidence our customers need to support the value of their product. Compatibility data is useful also to petroleum refiners to control and optimize the refinery processes and by blenders and marketers to assess the intrinsic stability of blended asphaltenic-containing heavy oils.

Intrinsic Stability Testing:
Crude materials are mixed at different proportions with toluene solvent and then titrated with heptane to promote flocculation of asphaltenes. Each mixture is monitored optically for asphaltenes formation to produce a stability graph that when plotted indicates the inversion point of the material.

Related Documents

Crude Oil Compatibility Testing
Oil and Gas - Chain of Custody
Accreditation Customer Portal Order Media Sample Guide
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