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Sept.10: Characterization of asphaltenes and deposited foulants

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Sub-Project A

Characterization of Asphaltenes and Deposited Foulants

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Objectives of Sub-Project A

Characterisation of Asphaltenes and Deposited Foulants

- * To develop techniques to correlate molecular masses and structures of deposits and components of the feed material.**
- * To identify chemical transformations leading to deposit formation.**
- * To explore the effect of time-temperature history on the deposition process.**

Objectives of Sub-Project A

**** To develop techniques to correlate molecular masses and structures of deposits to components of the feed material.***

Imaging techniques based on ATR-FTIR were developed.

Their advantages are: non-destructive; combine chemical and spatial information; small amounts of sample required.

