Wax Deposition Test

F5 Technologie Wax Flow Loop Model .11 P

September 2010

Deposit builds up, pressure raises until deposit is sheared off.

Oil sample 1:
WAT 38°C, wax content < 2% PP < 18°C
viscosity 2 mPas @ 60 °C

Noisy differential pressure signal due to wax crystals agglomerating but partially not depositing.

Oil sample 2:
WAT 30°C, wax content < 2% PP < 18°C
viscosity 5 mPas @ 60 °C

Test Setup:
- sample temperature: 60 °C
- cooling (bath) temperature: 15°C
- flow rate: 20 ml/min
- test pipeline: length 40 ft, inner diameter 2.0 mm

F5 Technologie