

High Pressure Viscosity Profile of Crude Oil/Catalyst Slurries

Application Proof

Viscosity profiles of crude oil/catalyst slurries generated under pressure at different temperatures simulate plant conditions. They are therefore useful in the determination of process parameters such as temperature, pressure and flow rate and provide insight into necessary catalyst modifications.

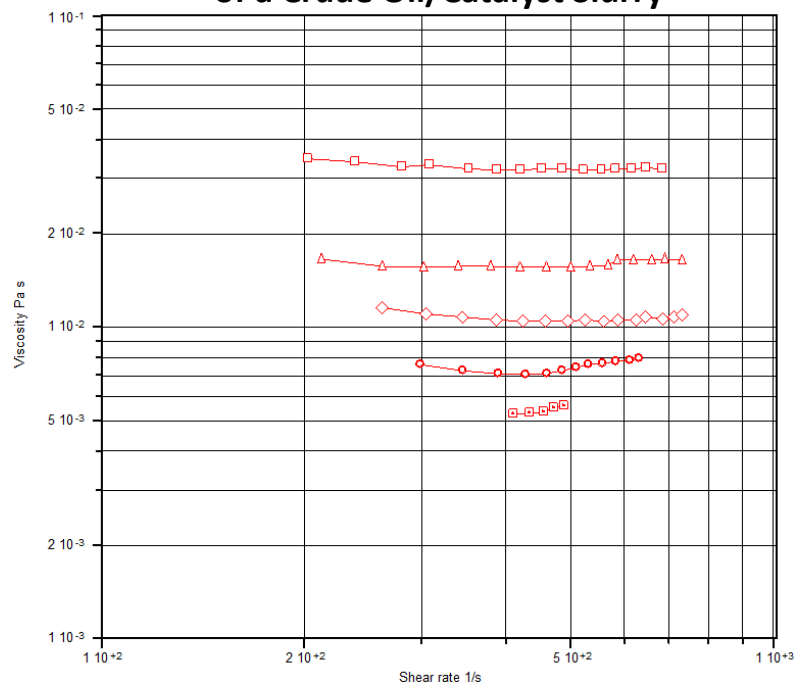
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Instrument/Run Parameters

Manufacturer/Model: ATS RheoSystems/NOVA Rheometer
Measuring System: High Pressure Cell - Couette
Geometry: Couette
Pressure (psi): 1,500
Temperature Range (°C): 120 - 230
Shear Rate Range (1/s):

Sample Parameters

Sample Type: Crude oil/catalyst slurries
Pretreatment: None
Sample Size: 15 mL



- Viscosity # 14 121C r1.RVI
- △ Viscosity # 14 149C r1.RVI
- ◇ Viscosity # 14 176.RVI
- Viscosity # 204C r2.RVI
- ◻ Viscosity # 232C r1.RVI