HOW TO ENSURE A CONSTANT PRODUCT QUALITY IN OIL AND GAS INDUSTRIES?

In Refineries and Petrochemical processes, on-site control is of primary importance in regards to product quality. Viscosity is one of the key parameters of many petroleum products. It influences storage, handling, and operational conditions.

On-line Viscosity Measurement at Reference Temperature is needed in refineries for petroleum, oil, liquid hydrocarbons, heavy and light fuel blends. Temperature Compensated Viscosity (TCV) provides viscosity at constant reference temperature and eliminates process temperature variations.

Nowadays, REFINERIES face different constraints:
- PARTIAL UNDERSTANDING due to lack of monitoring steps
- VISCOSITY CHANGES with product quality and process temperature
- Difficulty to CHARACTERIZE THE BEHAVIOR of reference products
- VARYING ORIGIN OF CRUDES and refining methods
- QUALITY of petroleum products and derivatives DEPENDS ON VISCOSITY characteristics

OIL & GAS BEST SELLER SOLUTION – in hazardous environments

- A single sensor able to provide instantaneous and continuous measurement
- Avoids drift during manufacturing and guarantees end-product quality
- Processor directly calculates Viscosity at Reference Temperature (TCV)
- Use of either simplified calculations or ASTM D341 formula
- Compensates the effect of variable process temperature
- Correlated to the ASTM D445 standard
- Works without maintenance between two plant overhauls

Key characteristics:
- Resistant to high pressure and high temperature
- Perfect blending control
- No wearing parts, very low maintenance
- Robust, reliable and easy to install
- No need for sample conditioning
- Measures in any positions

*Other configuration available on demand
FEATURES & SPECIFICATIONS

MIVI process viscometer

- Typical Full Scale Range: 1000 cP*
- Temperature: up to 200°C*
- Pressure: up to 60 bar*
- Ex-proof certification
- Material: 316L SS*
- Ingress Protection: IP67
- With 316L SS Weld-mount flange

9601 processor

- Viscosity, TCV and Temperature processor
- Automatic calculation of Compensated Viscosity (TCV)
- LCD screen
- 4 x 4-20 mA outputs
- Operating temperature: 0-45°C
- Panel-mount type

Cf technical datasheet 134

*Other available on demand

MAIN MOUNTINGS

Cf technical datasheet 319 & 320

- On large pipe angle
- On straight-line flange
- On immersion tube

Any questions or specific needs regarding other viscosity solutions?
Let us help you find the best match for your process by contacting us at: instruments@sofraser.com

Ref.368 - Non contractual information

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