

HIGH SENSITIVITY VISCOSITY SOLUTION FOR INDUSTRIAL APPLICATIONS

Optimizing fluid technology via highly sensitive viscosity measurement

France (August, 2011) – Viscosity is one of the most sensitive and essential characteristics that determines fluid quality. Historically, instrument developers strive for additional sensitivity in order to bring advanced measurement solutions to manufacturers.

Many high-performance fluids demand reliable viscosity measurement. Furthermore, specific requirements are necessary in low-range viscosity applications. In the automotive industry, much R&D is dedicated to improving gasoline injection systems as well as upgrading brake assemblies and fluids. Combining oil and liquid coolants in refrigerant applications necessitates viscosity control in order to promote proper system functioning and the prevention of equipment deterioration. In mechanical systems using hydraulic fluids, (gear boxes for example), viscosity is key; the function of these fluids is, almost always, to preserve the machine's functioning, durability, and integrity.

The challenge for companies that carefully monitor the fluid they manufacture is to preserve that fluid's quality and durability *at a specific viscosity value*. Sofraser's patented, vibrating rod adaptation coupled with a new electronic processor reach a sensitivity of 0.01 cP for a viscosity of 2 cP. In certain conditions, extremely high sensitivity can be reached at upper viscosity ranges. Thanks to remarkable research and design teams, Sofraser fulfills all industrial needs and expectations.

Sofraser's MIVI viscometer is utilized by leading automotive suppliers for bench testing of injection systems as well as by laboratory research centers specializing in liquid refrigerants. These extraordinary advancements in viscosity measurement allow industrial markets to develop sophisticated technologies and accelerate production while increasing efficiency and productivity. Sofraser's capabilities remain unmatched by any other process viscosity measurement device, and the MIVI sensor provides results more sensitive than most lab equipments on the market.

About Sofraser

Sofraser is the only 30+ year fluid specialist and is the inventor of the vibrating-type viscometer at resonance frequency. Patented in 1981, it is now widely considered the most reliable in-process instrumentation. For more information on our products and to access our expertise, visit our website www.sofraser.com or contact us at instruments@sofraser.com.