

Gas Quality and Analysis Data Management

ANALYZEit incorporates the Gas Lab function of the measurement process into a single measurement system to increase efficiency between the field, lab and central office. Providing the ability to manage gas analysis data from start to end by scheduling the collection of the gas sample in the field to approving and applying the analysis results to the meter's volume data, ANALYZEit ensures accurate and timely data processing.

Integrating the Lab with the Field and Office

ANALYZEit is a licensed module available for TESTit Server to manage and record the activities associated with collecting and analyzing gas quality. The added functionality provides Gas Labs the ability to initiate requests to the field for a sample by utilizing the scheduling feature. Schedules can be set as recurring or one time, and the Gas Sample form provides the technician the ability to capture the sample tag information within the task. Once the sample is collected and delivered to the lab, the Sample Check-In task allows the lab to verify sample tag information and begin the gas analysis process. Upon the completion of the analysis by the gas chromatograph, the results can be imported directly from

the chromatograph interface software by utilizing the .lba file format (tab delimited .txt file), or manually populated into the Analysis form.

The Analysis form allows the user to select the gas constant calculations and the Z method used to calculate the results. The unnormalized mol% are displayed and the components are normalized, if needed, and displayed in the Normalized mol% section. GPM is also calculated and displayed. The last part of the form contains the base and alternate conditions for density, dry and saturated heating value, Wobbe index, compressibility, HCDP at sample and delivery pressures, and cricondenthem temperature and pressure (CCTt and CCTp). Contractual and operational limits provide additional validations to flag analysis values that exceed the allowed variance.

ANALYZEit



