



Powering Business Worldwide

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Lab Part Numbers
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	Part Number
PHYSICAL MEASUREMENTS	
Density	
Weight per gallon	LAB-1001
ICP-OES	
Analytical technique used for the detection of trace metals. Using ICP-OES it is possible to analyze and to determine quantitatively almost all of the elements of the periodic table, and can be used for both aqueous solutions and hydraulic fluids.	LAB-5185
Solids	
Total Suspended Solids (TSS): weight concentration of insoluble solids present in aqueous, hydrocarbon, or paraffinic solutions	
Alcohol Based	LAB-4409
Oil Based	LAB-4405
Paraffin Based	LAB-4406
Water Based	LAB-4404
Asphaltene Content: Determines the asphaltene content of refined and partially refined petroleum products, crude petroleum and other hydrocarbon solutions	LAB-3279
Titration	
Karl-Fischer: Determines the presence of water in oil based solutions, such as hydraulic oil, paint, varnish, lacquer, and other related products	LAB-1364
Viscosity	
Dynamic: The ratio of shear stress to shear rate. The SI unit of dynamic viscosity is the Poise (kg/[m*s]).	LAB-445D
Kinematic: The dynamic viscosity normalized by a liquid's density. The SI unit of kinematic viscosity is the Stoke (m ² /s).	LAB-445K
Miscellaneous	
pH: acidity or basicity (alkalinity) of an aqueous solution	LAB-pH
Ash Content: Inorganic solids content by burn-off	LAB-482
Turbidity: Quantifies the reduction in transparency of aqueous solutions caused by undissolved matter	LAB-7027
Benchtop Filtration: Lab simulation of filter performance based on customer requirements and sample type	LAB-bench
PARTICLE SIZE DISTRIBUTION	
Single Particle Optical Sensing (SPOS)	
Particle counter; volume and number distributions; Range: 0.5µm - 400µm	
Alcohol Based	LAB-4410
Oil Based	LAB-4407
Water Based	LAB-4408
MICROSCOPY SERVICES	
Digital Microscopy	
1 image per sample	LAB-11117
Specilaized Services	
Lab Visit with Sample Analysis (Cost of Analysis + Hourly Rate for Consultant)	LAB-TESTING
Presentations	LAB-Present
Training (in-house /Off-site)	LAB-Train
Quality Testing ordered by CSS/TSS/QC for customers	LAB-QT
Fees	
Lab Sample Cancellation	LAB-CANCEL
Carrier Fluid Use and Disposal Fee (for standard in-house fluids, custom fluids extra)	LAB-DISPOSAL
Sample Return Shipping & Handling (UPS Ground); Hazardous Material Extra	LAB-RETURN
Expedite Fee - 6 Day turnaround fee	LAB-Expedite6
Expedite Fee - 2 Day turnaround fee	LAB-Expedite2