



Order Number:	New
Serial # / Local I.D. #:	5390400000001
Calibration Date:	6/20/2025
Recommended Due Date:	6/20/2026
Certificate Number:	539040000000145828
Condition Found:	NEW
Condition Left:	In Calibration

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## 112-00-1-C EP and Lubricity Tester 230V Calibration Report

Tachometer Speed Accuracy Check				
Target Speed	Tachometer Reading (RPM)	Allowed Deviation	Actual Deviation	Pass / Fail
60.0 RPM	60.1 RPM	± 1.5 RPM	0.1 RPM	Pass
	Pass			
200.0 RPM	200.4 RPM	± 5.0 RPM	0.4 RPM	Pass
	Pass			
600.0 RPM	600.4 RPM	± 15.0 RPM	0.4 RPM	Pass
	Pass			
1000.0 RPM	1000.3 RPM	± 25.0 RPM	0.3 RPM	Pass
	Pass			
Tachometer I.D. #		155	Certificate Number	C-38907
Model Number		4060	Calibration Date	7/22/2024
Serial Number		122574032	Calibration Due Date	7/22/2025

Deionized Water Check				
Target Torque (in-lb)	Unit Reading (in=lb)	Allowed Deviation	Actual Deviation	Pass / Fail
34.0 in-lb	33.3 in-lb	± 2.0 in-lb	0.7 in-lb	Pass
	Pass			

Mud Tests				
Speed = 60 RPM / Torque = 150 in-lb / Duration = 15 Minutes				
Sample	Measured Torque Value	Correction Factor	Mud Lubricity Coefficient	Pass / Fail
Low Solids	49.10	1.021	0.50	Pass
	Pass			
High Solids	54.80	1.021	0.56	Pass
	Pass			

Temperature Calibration Check						
Target Temperature	Dry Block Reading	Software Reading	Calibration Number	Allowed Deviation	Actual Deviation	Pass / Fail
100 F°	100.0 F°	100.1 F°	4550	± 2.0 F°	0.1 F°	Pass
	Pass	Pass	Pass			
150 F°	150.0 F°	149.6 F°	6400	± 2.0 F°	0.4 F°	Pass
	Pass	Pass	Pass			
200 F°	200.0 F°	200.0 F°	10800	± 2.0 F°	0.0 F°	Pass
	Pass	Pass	Pass			
250 F°	250.0 F°	251.0 F°	11700	± 2.0 F°	1.0 F°	Pass
	Pass	Pass	Pass			
Dry Block I.D.			131	Certificate Number	C-47066	
Model Number		ETC400A		Calibration Date		2/12/2025
Serial Number		604975-01189		Calibration Due Date		2/12/2026

This report meets or exceeds the requirements outlined in API SP 13A Specification for Drilling-Fluid Materials for calibration of laboratory devices, using certified master test equipment that is traceable to NIST which is a signatory to the Mutual Recognition Arrangement (MRA) with the International Laboratory Accreditation Cooperation (ILAC).

Calibrated By: Emad Hanna Date: 6/20/2025

Approved By: Samantha Korenek Date: 6/20/2025

### Thermocouple Calibration Values

**These thermocouple values are only to be used when the unit is received. After the annual calibration expires, these number will change, and should not be used again.**

These values can be entered in the software. Locate the Utilities tab and then select Calibration. A temperature box will open and these values can be entered.

Set Value	Current Reading
100	4550
150	6400
200	10800
250	11700