

OFITE Viscometer Calibration Report



Oil Calibration Per API Recommended Practices: 13B-1 Annex I.5, 13B-2 Annex I.5, 10B-2 Annex B.3.6 and Specification 13A Section 5.2.6

Order Number:	23043
Serial # / Local I.D. #:	5378310000008
Calibration Date:	12/3/2025
*Recommended Due Date:	12/3/2026
Certificate Number:	537831000000845994
Part Number:	130-00-C
Model:	Model 800E Viscometer 115V / 230V

Condition Found:	In Calibration
Condition Left:	Yes
Repairs Required:	Yes (See Report Below)
As Found Required:	B1
Bob:	F1
Spring:	F1

OFITE Testing Equipment, Inc. - 11302 Steeplecrest Dr - Houston, Texas - 77065 - Phone: 832.320.7300 - Web: www.ofite.com

TESTING CONDITION AND CALIBRATION FLUIDS INFORMATION							
Ambient Conditions	Lab / Room Temperature	°F		°C		Lab / Room Humidity	48.6 %
		70.2 °F		21.2 °C			
Calibration Fluid Activation Date and LOT Number	100 cP	Activation Date	Calibration Fluid LOT Number		50 cP	Activation Date	Calibration Fluid LOT Number
		11/20/2025	423912			11/20/2025	228501
(Activation Date should not exceed 30 days of the calibration date)							

RPM CHECK	± 1 RPM for speeds <100 RPM				± 1 % of nominal speed of 100 RPM or Greater			
	Speed Setting	3.0 RPM	6.0 RPM	100.0 RPM	200.0 RPM	300.0 RPM	600.0 RPM	
Actual	3.0 RPM	6.0 RPM	99.9 RPM	200.3 RPM	299.9 RPM	599.8 RPM		
Allowed Deviation	± 1.00 RPM	± 1.00 RPM	± 1.00 RPM	± 2.00 RPM	± 3.00 RPM	± 6.00 RPM		
Actual Deviation	0.0 RPM	0.0 RPM	0.1 RPM	0.3 RPM	0.1 RPM	0.2 RPM		
Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass		
Per API RP 10B-2 Annex B, Equipment Calibration Requirements								

AS FOUND MEASUREMENTS																					
Calibration Fluid Viscosity	Calibration Fluid LOT Number	Calibration Fluid Temperature	Calibrated Viscosity (CV)	600 RPM Reading	600 VIS: 600 Reading* 0.5050	Accepted Deviation	Actual Deviation** (600 VIS - CV)	300 RPM Reading	300 VIS: 300 Reading* 1.0000	Accepted Deviation	Actual Deviation (300 VIS - CV)	200 RPM Reading	200 VIS: 200 Reading / 0.6667	Accepted Deviation	Actual Deviation (200 VIS - CV)	100 RPM Reading	100 VIS: 100 Reading / 0.3333	Accepted Deviation	Actual Deviation (100 VIS - CV)	Pass/Fail	
100 cP	423912					±1.50				±1.50				±1.50					±1.50		
50 cP	228501					±1.50				±1.50				±1.50					±1.50		
As Found Calibration Results																				Fail	

AS LEFT MEASUREMENTS																					
Calibration Fluid Viscosity	Calibration Fluid LOT Number	Calibration Fluid Temperature	Calibrated Viscosity (CV)	600 RPM Reading	600 VIS: 600 Reading* 0.5050	Accepted Deviation	Actual Deviation** (600 VIS - CV)	300 RPM Reading	300 VIS: 300 Reading* 1.0000	Accepted Deviation	Actual Deviation (300 VIS - CV)	200 RPM Reading	200 VIS: 200 Reading / 0.6667	Accepted Deviation	Actual Deviation (200 VIS - CV)	100 RPM Reading	100 VIS: 100 Reading / 0.3333	Accepted Deviation	Actual Deviation (100 VIS - CV)	Pass/Fail	
100 cP	423912	22.6 °C	99.2	194.5	98.23	±1.50	-0.97	99.5	99.5	±1.50	0.30	67.0	100.49	±1.50	1.29	33.5	100.51	±1.50	1.31	Pass	
50 cP	228501	22.3 °C	50.7	99.5	50.25	±1.50	-0.45	51.0	51	±1.50	0.30	34.0	51.00	±1.50	0.30	17.0	51.01	±1.50	0.31	Pass	
As Left Calibration Results																				Pass	

** For viscometers not using a B1F1 configuration, the 600 rpm reading is shown, but is not used for determining a pass/fail.

Factory Recommendations*: Factory recalibration is recommended annually. Uncertainty: 0.5%
Calibration requirements are determined per customer's Quality Management System.

Per API RP 13B-1 and -2, viscometers used for testing drilling fluids should be verified with a traceable calibration fluid at least monthly.

Per API RP 10B-2, viscometers used for testing cements should be verified for accuracy with a traceable calibration fluid at least quarterly.

Magdy Beshay Calibration Technician	12/3/2025 Date	<i>Magdy Beshay</i> Technician Signature
Samantha Korenek Reviewed By	12/3/2025 Date	<i>Samantha Korenek</i> Reviewer Signature

CALIBRATION EQUIPMENT							
Fluid Thermometer	325	90080-09	192283357	C-52614	7/23/2025	7/23/2026	
	I.D. Number	Model Number	Serial Number	Certificate Number	Calibration Date	Calibration Due Date	
Tachometer	708	R7050	230832873	C-46743	2/6/2025	2/6/2026	
	I.D. Number	Model Number	Serial Number	Certificate Number	Calibration Date	Calibration Due Date	
Ambient Monitor / Thermometer	261	EA20	2375174	C-47065	1/31/2025	1/31/2026	
	I.D. Number	Model Number	Serial Number	Certificate Number	Calibration Date	Calibration Due Date	

AS FOUND REPORT
List all damages which were observed. Describe how this could have affected measurements.
Dial not moving , Broken pin not able to run as found data

AS LEFT REPORT
List all repairs made to the unit under AS LEFT measurements.