OFITE Viscometer Calibration Report

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

Order Number:	NEW	**Condition Found:**	New
Serial # / Local I.D. #:	5391480000002	**Condition Left:**	In Calibration
Calibration Date:	8/13/2025		
***Recommended Due Date:**	8/13/2026		
Certificate Number:	539148000000245882	**Bob:**	B1
Part Number:	130-10-C-S	**Spring:**	F1
Model:	Model 800 Viscometer , Complete, Stability Motor		

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TESTING CONDITION AND CALIBRATION FLUIDS INFORMATION

Ambient Conditions	**Lab / Room Temperature**	**°F**	**°C**	**Lab / Room Humidity**		62.1 %
		74.3 °F	23.5 °C			
Calibration Fluid Activation Date and LOT Number	**100 cP**	**Activation Date**	**Calibration Fluid LOT Number**	**50 cP**	**Activation Date**	**Calibration Fluid LOT Number**
		7/15/2025	423912		7/15/2025	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	100.2 RPM	200.0 RPM	300.0 RPM	599.9 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	0.2 RPM	0.0 RPM	0.0 RPM	0.1 RPM
Pass / Fail	Pass	Pass	Pass	Pass	Pass	Pass
Per API RP 10B-2 Annex B, Equipment Calibration Requirements						

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	24.4 °C	95.6	189.0	95.45	±1.50	-0.15	95.0	95	±1.50	-0.60	63.0	94.49	±1.50	-1.11	31.5	94.51	±1.50	-1.09	Pass
50 cP	228501	24.6 °C	48.3	97.5	49.24	±1.50	0.94	49.0	49	±1.50	0.70	32.5	48.75	±1.50	0.45	16.0	48.00	±1.50	-0.30	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.

Benjamin McMullin Calibration Technician	8/13/2025 Date
Samantha Korenek Reviewed By	8/14/2025 Date

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	710	461920	131105873	C-50090	5/15/2025	5/15/2026
	I.D. Number	**Model Number**	**Serial Number**	**Certificate Number**	**Calibration Date**	**Calibration Due Date**
Ambient Monitor / Thermometer	705	EA10	Z414473	C-52618	7/23/2025	7/23/2026
	I.D. Number	**Model Number**	**Serial Number**	**Certificate Number**	**Calibration Date**	**Calibration Due Date**

This report meets or exceeds the requirements outlined in API RP 13B-1 Recommended Practice for Field Testing Water-based Drilling Fluids and API RP 13B-2 Recommended Practice for Field Testing Oil-based Drilling Fluids 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).