

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:	RP00000141
Serial # / Local I.D. #:	10102635
Calibration Date:	8/20/2026
*Recommended Due Date:	8/20/2027
Certificate Number:	1010263546254
Part Number:	130-60
Model:	6-Speed Viscometer

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

OFI 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	46.9 %
		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
		7/31/2026	508512		7/31/2026
		(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	99.8 RPM	200.2 RPM	299.6 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	0.2 RPM	0.2 RPM	0.4 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	508512	23.5 °C	99.5	196.0	98.99	±1.50	-0.51	99.0	99	±1.50	-0.50	66.5	99.74	±1.50	0.24	34.0	102.01	±1.50	2.51	Fail
50 cP	503806	23.4 °C	48.6	94.5	47.73	±1.50	-0.87	48.0	48	±1.50	-0.60	33.0	49.50	±1.50	0.90	17.0	51.01	±1.50	2.41	Fail
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	508512	24.1 °C	98.2	194.5	98.23	±1.50	0.03	98.0	98	±1.50	-0.20	65.0	97.49	±1.50	-0.71	32.5	97.51	±1.50	-0.69	Pass
50 cP	503806	23.7 °C	48.3	94.0	47.47	±1.50	-0.83	48.0	48	±1.50	-0.30	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.

Magdy Beshay
Calibration Technician

8/20/2026
Date

Magdy Beshay
Technician Signature

Samantha Korenek
Reviewed By

8/20/2026
Date

Samantha Korenek
Reviewer Signature

CALIBRATION EQUIPMENT

Fluid Thermometer	325	90080-09	192283357	C-67205	7/17/2026	7/17/2027
	I.D. Number	Model Number	Serial Number	Certificate Number	Calibration Date	Calibration Due Date
Tachometer	708	R7050	230832873	C-59865	2/3/2026	2/3/2027
	I.D. Number	Model Number	Serial Number	Certificate Number	Calibration Date	Calibration Due Date
Ambient Monitor / Thermometer	261	EA20	2375174	C-59375	1/20/2026	1/20/2027
	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.

AS LEFT REPORT

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

Viscometer Calibration Report 01/27/2025	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).	Page 1 of 1
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