



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:	22818
Serial # / Local I.D. #:	5040090000001
Calibration Date:	7/25/2025
*Recommended Due Date:	7/25/2026
Certificate Number:	504009000000145863
Part Number:	130-76
Model:	Model 900 Viscometer

Condition Found:	In Calibration
Condition Left:	In Calibration
Repairs Required:	No
As Found Required:	No
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		50.6 %	
		74.3 °F	23.5 °C				
Calibration Fluid Activation Date and LOT Number	100 cP	Activation Date		Calibration Fluid LOT Number		50 cP	
		7/11/2025	423912	7/11/2025	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		
	3.0 RPM	6.0 RPM	100.0 RPM	200.0 RPM	300.0 RPM	600.0 RPM
Speed Setting	3.0 RPM	6.0 RPM	100.3 RPM	200.0 RPM	300.9 RPM	600.5 RPM
Actual	3.0 RPM	6.0 RPM	100.3 RPM	200.0 RPM	300.9 RPM	600.5 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	0.3 RPM	0.0 RPM	0.9 RPM	0.5 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	23.6 °C	97.2	191.4	96.66	+1.50	-0.54	97.0	97	+1.50	-0.20	64.9	97.34	+1.50	0.14	32.6	97.81	+1.50	0.61	Pass
50 cP	228501	23.5 °C	49.4	97.2	49.09	+1.50	-0.31	49.4	49.4	+1.50	0.00	33.2	49.80	+1.50	0.40	16.6	49.80	+1.50	0.40	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.

Elmer Pumphrey

Calibration Technician

7/25/2025

Date

Samantha Korenek

Reviewed By

7/29/2025

Date

CALIBRATION EQUIPMENT						
Fluid Thermometer	667	90080-09	181334596	C-46411	1/29/2025	1/29/2026
	I.D. Number	Model Number	Serial Number	Certificate Number	Calibration Date	Calibration Due Date
Tachometer	706	R7050	220502483	C-40457	8/20/2024	8/20/2025
	I.D. Number	Model Number	Serial Number	Certificate Number	Calibration Date	Calibration Due Date
Ambient Monitor / Thermometer	261	EA20	Z375174	C-47065	1/31/2025	1/31/2026
	I.D. Number	Model Number	Serial Number	Certificate Number	Calibration Date	Calibration Due Date