



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:	294921
Serial # / Local I.D. #:	10095017
Calibration Date:	10/7/2025
*Recommended Due Date:	10/7/2026
Certificate Number:	1009501745937
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		49.2 %	
		71.1 °F	21.7 °C				
Calibration Fluid Activation Date and LOT Number	100 cP	Activation Date	Calibration Fluid LOT Number		50 cP	Activation Date	Calibration Fluid LOT Number
		10/4/2025	423912			10/4/2025	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	100.5 RPM	200.0 RPM	299.9 RPM	600.3 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	0.5 RPM	0.0 RPM	0.1 RPM	0.3 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	23.2 °C	97.9	200.0	101.01	±1.50	3.11	101.5	101.5	±1.50	3.60	68.5	102.74	±1.50	4.84	34.5	103.51	±1.50	5.61	Fail
50 cP	228501	23.2 °C	49.7	101.5	51.26	±1.50	1.56	52.0	52	±1.50	2.30	35.0	52.50	±1.50	2.80	17.0	51.01	±1.50	1.31	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	423912	23.4 °C	97.5	192.0	96.97	±1.50	-0.53	97.5	97.5	±1.50	0.00	65.5	98.24	±1.50	0.74	32.5	97.51	±1.50	0.01	Pass
50 cP	228501	23.2 °C	49.7	98.5	49.75	±1.50	0.05	49.5	49.5	±1.50	-0.20	33.0	49.50	±1.50	-0.20	16.5	49.50	±1.50	-0.20	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	10/7/2025
Calibration Technician	Date
Samantha Korenek	10/7/2025
Reviewed By	Date

CALIBRATION EQUIPMENT							
Fluid Thermometer	I.D. Number	Model Number	Serial Number	Certificate Number	Calibration Date	Calibration Due Date	
	325	90080-09	192283357	C-52614	7/23/2025	7/23/2026	
Tachometer	708	R7050	230832873	C-46743	2/6/2025	2/6/2026	
Ambient Monitor / Thermometer	261	EA20	Z375174	C-47065	1/31/2025	1/31/2026	

AS FOUND REPORT
List all damages which were observed. Describe how this could have affected measurements.
All Reading was too high

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