



## 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:	304331
Serial # / Local I.D. #:	12-2289
Calibration Date:	12/4/2025
*Recommended Due Date:	12/4/2026
Certificate Number:	12-228945995
Part Number:	132-00
Model:	Hand-Crank Viscometer

Condition Found:	In 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		47.9 %
		69.5 °F	20.8 °C			
Calibration Fluid Activation Date and LOT Number	100 cP	Activation Date	Calibration Fluid LOT Number		50 cP	Calibration Fluid LOT Number
		12/3/2025	8/17/3060		12/3/2025	228501
(Activation Date should not exceed 30 days of the calibration date)						

RPM CHECK			
Speed Setting	Actual	Allowed Deviation	Actual Deviation
300.0 RPM	299.2 RPM	± 6.00 RPM	+ 0.8 RPM
600.0 RPM	599.6 RPM	± 12.00 RPM	0.4 RPM
Pass / Fail	Pass	Pass	Pass
There is no specified equipment calibration RPM requirements for a Hand Crank in API / The RPM and deviations mentioned above are OFITE recommendations per the User Manual.			

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 VIS - CV) (600	300 RPM Reading	300 VIS: 300 Reading * 1.0000	Accepted Deviation	Actual Deviation VIS - CV) (300	Pass/Fail
100 cP	423912	21.4 °C	101.6	195.5	98.74	±1.50	-2.86	98.0	98.0	±1.50	-3.60	Fail
50 cP	228501	22.0 °C	51.0	97.5	49.24	±1.50	-1.76	49.0	49.0	±1.50	-2.00	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 VIS - CV) (600	300 RPM Reading	300 VIS: 300 Reading * 1.0000	Accepted Deviation	Actual Deviation VIS - CV) (300	Pass/Fail
100 cP	423912	21.5 °C	101.4	199.5	100.76	±1.50	-0.64	100.5	100.5	±1.50	-0.90	Pass
50 cP	228501	21.2 °C	51.8	102.5	51.77	±1.50	-0.03	52.5	52.50	±1.50	0.70	Pass
As Left Calibration Results												Pass

**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.

Emad Hanna Calibration Technician	12/4/2025 Date	<i>Emad Hanna</i> Technician Signature
Samantha Korenek Reviewed By	12/4/2025 Date	<i>Samantha Korenek</i> Reviewer Signature

CALIBRATION EQUIPMENT						
Fluid Thermometer	I.D. Number	Model Number	Serial Number	Certificate Number	Calibration Date	Calibration Due Date
	709	4000-90080-09	240024945	4000-14742432	1/9/2024	1/9/2026
Tachometer	I.D. Number	Model Number	Serial Number	Certificate Number	Calibration Date	Calibration Due Date
	155	4060	122574032	C-52605	7/23/2025	7/23/2026
Ambient Monitor / Thermometer	I.D. Number	Model Number	Serial Number	Certificate Number	Calibration Date	Calibration Due Date
	169	EA20	Z375173	C-50047	5/9/2025	5/9/2026

**AS FOUND REPORT**  
 List all damages which were observed. Describe how this could have affected measurements.  
 fail in calibration.

**AS LEFT REPORT**  
 List all repairs made to the unit under AS LEFT measurements.  
 Replace bearing, shaft housing, shaft cam and calibrated