



OFI Testing Equipment, Inc.
 11302 Steeplecrest Drive Houston, TX 77065 USA
 Phone: 832-320-7300 · Fax: 713-880-9886 · Web: www.ofite.com

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

Part Number: 130-76-C Model: Model 900 Viscometer, Complete, 115 Volt Serial Number: 5374500000001 S/O# or J/O# New
 Bob B1 Spring F1

RPM Check	± 1 RPM for speeds <100 RPM		± 1 % of nominal speed of 100 RPM or Greater			
Speed Setting (RPM):	3 RPM	6 RPM	100 RPM	200 RPM	300 RPM	600 RPM
Actual:	3.0 RPM	6.0 RPM	100.0 RPM	200.0 RPM	300.0 RPM	600.0 RPM
Allowed Deviation:	± 1.00 RPM	± 1.00 RPM	± 1.0 RPM	± 2.0 RPM	± 3.0 RPM	± 6.0 RPM
Actual Deviation:	0.0 RPM	0.0 RPM	0.0 RPM	0.0 RPM	0.0 RPM	0.0 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 Batch #	Temp	Calibrated Viscosity (CV)	600 RPM Reading	600 VIS: 600 Reading * 0.5050	Accepted Deviation	Actual Deviation**	300 RPM Reading	300 VIS: 300 Reading * 1.0000	Accepted Deviation	Actual Deviation	200 RPM Reading	200 VIS: 200 Reading / 0.6667	Accepted Deviation	Actual Deviation	100 RPM Reading	100 VIS: 100 Reading / 0.3333	Accepted Deviation	Actual Deviation (100 VIS - CV)	Pass/Fail
100 cP	309602	21.9	104	207.2	104.64	±1.50	0.64	103.9	103.9	±1.50	-0.10	69.6	104.39	±1.50	0.39	34.8	104.41	±1.50	0.41	Pass
50 cP	228501	21.5	51.5	100.8	50.91	±1.50	-0.59	51.1	51.1	±1.50	-0.40	34.3	51.45	±1.50	-0.05	17.2	51.61	±1.50	0.11	Pass

** For viscometers not using a B1F1 configuration, the 600 rpm reading is shown, but is not used for determining a pass/fail.

Calibration Result	Pass
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Technician: Emad Hanna Factory Recommendations*: Factory recalibration is recommended annually. Uncertainty: 0.5% Reviewed By: Therese Ikladious
 Calibration Date: 2/3/2025 Calibration requirements are determined per customer's Quality Management System. Review Date: 2/3/2025
 Calibration Due Date*: 2/3/2026 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.

Calibration Fluid Activation Date: 100 cP 2/3/2025 50 cP 2/3/2025
 (Activation Date should not exceed 30 days of the calibration date)

For internal use only.	
All master instruments and fluids are calibrated and/or certified to standards which are traceable to NIST. <input type="checkbox"/> Instrument Certificates of Calibration attached	
Fluid Thermometer: <u>704</u> Model #: <u>4000,90080-05</u> Calibration Date: <u>5/8/2024</u> Calibration Due: <u>5/8/2025</u> Serial No: <u>221540132</u>	
Tachometer: <u>155</u> Model #: <u>4060</u> Calibration Date: <u>7/22/2024</u> Calibration Due: <u>7/22/2025</u> Serial No: <u>122574032</u>	
Ambient Monitor: <u>345</u> Model #: <u>RH300</u> Calibration Date: <u>8/20/2024</u> Calibration Due: <u>8/20/2025</u> Serial No: <u>2395285</u>	
Ambient Conditions	
Room Temperature: <u>72</u> Relative Humidity: <u>48</u>	