OFI Testing Equipment, Inc.
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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

Repairs Required? No **As Found Data Required by Customer?** No

Part Number: 130-60-99 **Model:** 6-Speed Viscometer, Reconditioned **Serial Number:** 40197 **S/O# or J/O#**

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	99.7 RPM	200.3 RPM	300.4 RPM	600.1 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	0.3 RPM	0.3 RPM	0.4 RPM	0.1 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	423912	23.9	96.6	189.5	95.70	±1.50	-0.90	96.5	96.5	±1.50	-0.10	65	97.49	±1.50	0.89	32.5	97.51	±1.50	0.91	Pass
50 cP	228501	23.8	49.1	96	48.48	±1.50	-0.62	49.5	49.5	±1.50	0.40	33	49.50	±1.50	0.40	16.5	49.50	±1.50	0.40	Pass
																		Calibration Result		Pass

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

Technician: Magdy Beshay

Calibration Date: 3/11/2025

Calibration Due Date*: 3/11/2026

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.

Reviewed By: Samantha Korenek

Review Date: 3/27/2025

Calibration Fluid Activation Date: **100 cP** 2/19/2025 **50 cP** 2/19/2025

(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. ☐ **Instrument Certificates of Calibration attached**

Fluid Thermometer:	709	**Model #:**	1000-90080-0	**Calibration Date:**	1/9/2024	**Calibration Due:**	1/9/2026	**Serial No:** 240024945
Tachometer:	708	**Model #:**	R7050	**Calibration Date:**	2/6/2025	**Calibration Due:**	2/6/2026	**Serial No:** 230832873
Ambient Monitor:	345	**Model #:**	RH300	**Calibration Date:**	8/20/2024	**Calibration Due:**	8/20/2025	**Serial No:** Z395285

Ambient Conditions

Room Temperature: 23.1 **Relative Humidity:** 46.8

Revised 4/4/2023