



**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

Repairs Required?           No          

As Found Data Required by Customer?           No          

Part Number:           130-76          

Model:           Model 900 Viscometer          

Serial Number:           004-14-1994          

S/O# or J/O#           228713          

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	100.2 RPM	200.3 RPM	300.5 RPM	600.2 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	0.2 RPM	0.3 RPM	0.5 RPM	0.2 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	24.3	99	195.1	98.53	±1.50	-0.47	98.8	98.8	±1.50	-0.20	66.6	99.89	±1.50	0.89	32.9	98.71	±1.50	-0.29	Pass
50 cP	228501	24.2	48.7	94.4	47.68	±1.50	-1.02	49.6	49.6	±1.50	0.90	31.6	47.40	±1.50	-1.30	15.9	47.70	±1.50	-1.00	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

Technician:           Elmer Pumphrey          

Factory Recommendations\*: Factory recalibration is recommended annually. Uncertainty: 0.5%

Reviewed By:           Samantha Korenek          

Calibration Date:           11/8/2024          

Per API RP 13B-1 and -2, viscometers used for testing drilling fluids should be verified with a traceable calibration fluid at least monthly.

Review Date:           11/13/2024          

Calibration Due Date\*:           11/8/2025          

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           11/5/2024                50 cP           11/5/2024            
 (Activation Date should not exceed 30 days of the calibration date)

List all repairs made prior to AS LEFT measurements.

Technician changed main bearings, bob shaft bearings, retainer ring, and shield. Adjusted spring, cleaned and calibrated unit.

Fluid Thermometer:		Model #:		Calibration Date:		Calibration Due:		Serial No:	
668	90080-09	1/29/2024	1/29/2025	181334600					
Tachometer: 172	Model #: 461920	Calibration Date: 9/25/2024	Calibration Due: 9/25/2025	Serial No: 131105869					
Ambient Monitor: 261	Model #: EA20	Calibration Date: 1/16/2024	Calibration Due: 1/16/2025	Serial No: Z375174					
Ambient Conditions		Room Temperature: 74.4		Relative Humidity: 56					