



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

Part Number: 130-76-C Model: Model 900 Viscometer, Complete, 115 Volt Serial Number: 5374500000006 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 | 23.5 | 100.6 | 201.2 | 101.61 | ±1.50 | 1.01 | 100.8 | 100.8 | ±1.50 | 0.20 | 67.6 | 101.39 | ±1.50 | 0.79 | 34 | 102.01 | ±1.50 | 1.41 | Pass |
| 50 cP | 228501 | 22.9 | 50 | 98.8 | 49.90 | ±1.50 | -0.10 | 49.8 | 49.8 | ±1.50 | -0.20 | 34.3 | 51.45 | ±1.50 | 1.45 | 17 | 51.01 | ±1.50 | 1.01 | 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: Emad Hanna
 Calibration Date: 2/3/2025
 Calibration Due Date*: 2/3/2026

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: Therese Ikladious
 Review Date: 2/3/2025

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> | |