



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: | New |
| Serial # / Local I.D. #: | 5378310000005 |
| Calibration Date: | 8/14/2025 |
| *Recommended Due Date: | 8/14/2026 |
| Certificate Number: | 537831000000545883 |
| Part Number: | 130-00-C |
| Model: | Model 800E Viscometer 115V / 230V |

| | |
|--------------------|----------------|
| Condition Found: | In Calibration |
| Condition Left: | In Calibration |
| Repairs Required: | No |
| As Found Required: | No |
| Bob: | B1 |
| Spring: | F1 |

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| TESTING CONDITION AND CALIBRATION FLUIDS INFORMATION | | | | | | | |
|---|------------------------|-----------------|------------------------------|---------------------|-----------------|------------------------------|--|
| Ambient Conditions | Lab / Room Temperature | °F | °C | Lab / Room Humidity | | 48.0 % | |
| | | 73.0 °F | 22.8 °C | | | | |
| Calibration Fluid Activation Date and LOT Number | 100 cP | Activation Date | Calibration Fluid LOT Number | 50 cP | Activation Date | Calibration Fluid LOT Number | |
| | | 8/5/2025 | 423912 | | 8/5/2025 | 228501 | |
| (Activation Date should not exceed 30 days of the calibration date) | | | | | | | |

| RPM CHECK | ± 1 RPM for speeds <100 RPM | | | ± 1 % of nominal speed of 100 RPM or Greater | | |
|--|-----------------------------|------------|------------|--|------------|------------|
| | 3.0 RPM | 6.0 RPM | 100.0 RPM | 200.0 RPM | 300.0 RPM | 600.0 RPM |
| Speed Setting | 3.0 RPM | 6.0 RPM | 100.0 RPM | 200.0 RPM | 300.0 RPM | 600.0 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 | ± 1.00 RPM | ± 2.00 RPM | ± 3.00 RPM | ± 6.00 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 LOT Number | Calibration Fluid Temperature | Calibrated Viscosity (CV) | 600 RPM Reading | 600 VIS: 600 Reading * 0.5050 | Accepted Deviation | Actual Deviation ** (600 VIS - CV) | 300 RPM Reading | 300 VIS: 300 Reading * 1.0000 | Accepted Deviation | Actual Deviation (300 VIS - CV) | 200 RPM Reading | 200 VIS: 200 Reading / 0.6667 | Accepted Deviation | Actual Deviation (200 VIS - CV) | 100 RPM Reading | 100 VIS: 100 Reading / 0.3333 | Accepted Deviation | Actual Deviation (100 VIS - CV) | Pass/Fail | |
| 100 cP | 423912 | 23.9 °C | 96.6 | 188.5 | 95.20 | +1.50 | -1.40 | 96.5 | 96.5 | +1.50 | -0.10 | 64.5 | 96.74 | +1.50 | 0.14 | 32.0 | 96.01 | +1.50 | -0.59 | Pass | |
| 50 cP | 228501 | 24.2 °C | 48.7 | 96.5 | 48.74 | +1.50 | 0.04 | 49.0 | 49 | +1.50 | 0.30 | 33.0 | 49.50 | +1.50 | 0.80 | 16.5 | 49.50 | +1.50 | 0.80 | Pass | |
| ** For viscometers not using a B1F1 configuration, the 600 rpm reading is shown, but is not used for determining a pass/fail. | | | | | | | | | | | | | | | | | | | | 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

8/14/2025

Date

Samantha Korenek

Reviewed By

8/14/2025

Date

| CALIBRATION EQUIPMENT | | | | | | | |
|-------------------------------|-------------|--------------|---------------|--------------------|------------------|----------------------|--|
| Fluid Thermometer | 260 | 90080-09 | 192283369 | C-46664 | 1/30/2025 | 1/30/2026 | |
| | I.D. Number | Model Number | Serial Number | Certificate Number | Calibration Date | Calibration Due Date | |
| Tachometer | 312 | 461920 | 12050313 | C-40454 | 8/20/2024 | 8/20/2025 | |
| | I.D. Number | Model Number | Serial Number | Certificate Number | Calibration Date | Calibration Due Date | |
| Ambient Monitor / Thermometer | 345 | RH300 | Z395285 | C-40456 | 8/20/2024 | 8/20/2025 | |
| | I.D. Number | Model Number | Serial Number | Certificate Number | Calibration Date | Calibration Due Date | |