



## OFITE Viscometer Calibration Report

Oil Calibration Per API Recommended Practices; 13B-1 Annex I.5, 13B-2 Annex I.5, 10B-2 Annex B.3.6 and Specification 13A Section 5.2.6

|                          |                    |
|--------------------------|--------------------|
| Order Number:            | RP00000164         |
| Serial # / Local I.D. #: | 1240               |
| Calibration Date:        | 9/2/2026           |
| *Recommended Due Date:   | 9/2/2027           |
| Certificate Number:      | 124046267          |
| Part Number:             | 130-60             |
| Model:                   | 6-Speed Viscometer |

|                    |                    |
|--------------------|--------------------|
| Condition Found:   | Out of Calibration |
| Condition Left:    | In Calibration     |
| Repairs Required:  | Yes                |
| 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 |       |                 | 45.3 % |                              |
|                                                      |                        | 81.3 °F                                                             | 27.4 °C                      |                     |       |                 |        |                              |
| Calibration Fluid Activation Date and LOT Number     | 100 cP                 | Activation Date                                                     | Calibration Fluid LOT Number |                     | 50 cP | Activation Date |        | Calibration Fluid LOT Number |
|                                                      |                        | 9/3/2026                                                            | 531426                       |                     |       | 9/3/2026        |        | 503806                       |
|                                                      |                        | (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 |            |            |
|--------------------------------------------------------------|-----------------------------|------------|------------|----------------------------------------------|------------|------------|
| Speed Setting                                                | 3.0 RPM                     | 6.0 RPM    | 100.0 RPM  | 200.0 RPM                                    | 300.0 RPM  | 600.0 RPM  |
| Actual                                                       | 3.1 RPM                     | 6.0 RPM    | 100.8 RPM  | 200.1 RPM                                    | 299.8 RPM  | 600.2 RPM  |
| Allowed Deviation                                            | ± 1.00 RPM                  | ± 1.00 RPM | ± 1.00 RPM | ± 2.00 RPM                                   | ± 3.00 RPM | ± 6.00 RPM |
| Actual Deviation                                             | 0.1 RPM                     | 0.0 RPM    | 0.8 RPM    | 0.1 RPM                                      | 0.2 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 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                                                                                                                        | 531426                       | 26.8 °C                       | 93.8                      | 184.0           | 92.93                         | ±1.50              | -0.87                              | 94.0            | 94                            | ±1.50              | 0.20                            | 63.0            | 94.49                         | ±1.50              | 0.69                            | 31.0            | 93.01                         | ±1.50              | -0.79                           | Pass      |      |
| 50 cP                                                                                                                         | 503806                       | 27.1 °C                       | 45.1                      | 89.5            | 45.20                         | ±1.50              | 0.10                               | 45.0            | 45                            | ±1.50              | -0.10                           | 30.0            | 45.00                         | ±1.50              | -0.10                           | 15.0            | 45.00                         | ±1.50              | -0.10                           | 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.

Jeffrey Vo  
Calibration Technician

9/2/2026  
Date

Samantha Korenek  
Reviewed By

9/3/2026  
Date

| CALIBRATION EQUIPMENT         |             |               |               |                    |                  |                      |
|-------------------------------|-------------|---------------|---------------|--------------------|------------------|----------------------|
| Fluid Thermometer             | 704         | 4000,90080-09 | 221540132     | C-64721            | 5/26/2026        | 5/26/2027            |
|                               | I.D. Number | Model Number  | Serial Number | Certificate Number | Calibration Date | Calibration Due Date |
| Tachometer                    | 679         | R7050         | 220326766     | C-67204            | 7/17/2026        | 7/17/2027            |
|                               | I.D. Number | Model Number  | Serial Number | Certificate Number | Calibration Date | Calibration Due Date |
| Ambient Monitor / Thermometer | 261         | EA20          | Z375174       | C-59375            | 1/20/2026        | 1/20/2027            |
|                               | I.D. Number | Model Number  | Serial Number | Certificate Number | Calibration Date | Calibration Due Date |

### AS LEFT REPORT

List all repairs made to the unit under AS LEFT measurements.

Replaced clutch gears, bob shaft bearings, clutch spring. Add a new shim.

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|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Viscometer Calibration Report<br>01/27/2025 | This report meets or exceeds the requirements outlined in API RP 13B-1 Recommended Practice for Field Testing Water-based Drilling Fluids and API RP 13B-2 Recommended Practice for Field Testing Oil-based Drilling Fluids for calibration of laboratory devices, using certified master test equipment that is traceable to NIST which is a signatory to the Mutual Recognition Arrangement (MRA) with the International Laboratory Accreditation Cooperation (ILAC). | Page 1 of 1 |
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