

# TLI, Inc.

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## HYDROMETER TEST

Test Date: 04/17/2020  
Combined API Hydrometer Serial #: 61987  
MFG / Vendor: Walker  
Range: 49/61 HL  
Certified For: W.L. Walker  
NIST (NBS) reference hydrometer #: 13509742

Working hydrometer traceable to NIST master serial numbers

1. 11445486
2. 11445486
3. 11445486

## HYDROMETER TEST RESULTS

| Gravity | Actual Reading | Correction |
|---------|----------------|------------|
| 50      | 50.10          | -0.10      |
| 55      | 55.02          | -0.02      |
| 60      | 59.91          | 0.09       |

## THERMOMETER

Reference 32° F: 32 Corr: 0.00      Reference 72° F: 72 Corr: 0.00

Expanded Degree of uncertainty (K=2): +/- 0.089

**Notes:** All Corrections marked "-" are to be subtracted from the hydrometer in service reading, otherwise add. All hydrometers are tested against working instruments traceable to NIST certified masters. Fluids are low surface tension oils calibrated to a gravity close to that in which the instruments will be used. Thermometers are tested at two points to assure that the temperature chart and the thermometer tube match. All hydrometers are inspected for cleanliness, alignment, secure charts and loose ballast. Each batch is randomly tested for internal humidity, as per ASTM Directives. Hydrometers are fragile but history has indicated that breakage is rare. However, TLI research cannot accept responsibility for breakage of hydrometers shipped to us in either the shipping or the certification process.

Inspected By:



Recertify:

April 17, 2021