

Test Monitoring Center

http://astmtmc.cmu.edu

ASTM Reference Testing Semi-Annual Report EOWT

April 2020

EOWT Test Activity by Treat Rate*

| Test Status | Validity Code | Number of Tests by Water Treat Rate | | | | Total |
|-----------------------------|------------------|--|------|------|------|-------|
| | Coue | 0.6% | 1.0% | 2.0% | 3.0% | |
| Acceptable Calibration Test | AC | 238 | 241 | 244 | 239 | 962 |
| Failed Calibration Test | OC | 5 | 4 | 1 | 6 | 16 |
| Total | | | | | | 978 |

*October 1, 2019 - March 31, 2020



EOWT Test Activity by Reference Oil*

| Test Status | Validity Code | Number by Refere | Total | | | |
|-----------------------------|------------------|---------------------|-------|-----|--|--|
| | | 79 | 77-3 | | | |
| Acceptable Calibration Test | AC | 482 | 480 | 962 | | |
| Failed Calibration Test | OC | 9 | 7 | 16 | | |
| Total 978 | | | | | | |

*October 1, 2019 - March 31, 2020



EOWT Failed Tests

| Failed Parameter | Number of Tests | | | | Total |
|---------------------------|-----------------|------|------|------|-------|
| raneu rarameter | 0.6% | 1.0% | 2.0% | 3.0% | ΤΟτάι |
| Severe Change in Flowrate | 3 | 2 | 1 | 2 | 8 |
| Mild Change in Flowrate | 2 | 2 | 0 | 4 | 8 |
| Total | | | | | 16 |





EOWT Lost Tests*

| Status | Cause | Number of Tests | | | | # |
|--------|----------------------------|-----------------|------|------|------|---|
| Status | | 0.6% | 1.0% | 2.0% | 3.0% | π |
| | No lost tests this period. | | | | | |

*Invalid and aborted calibration tests

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EOWT Test Severity

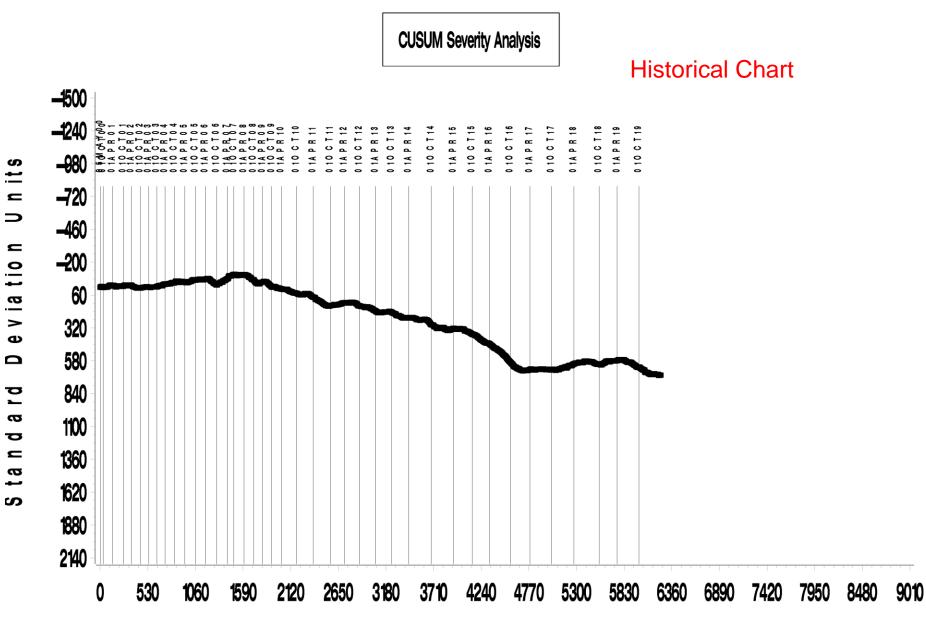
Change in flowrate is trending severe for all treat rates.





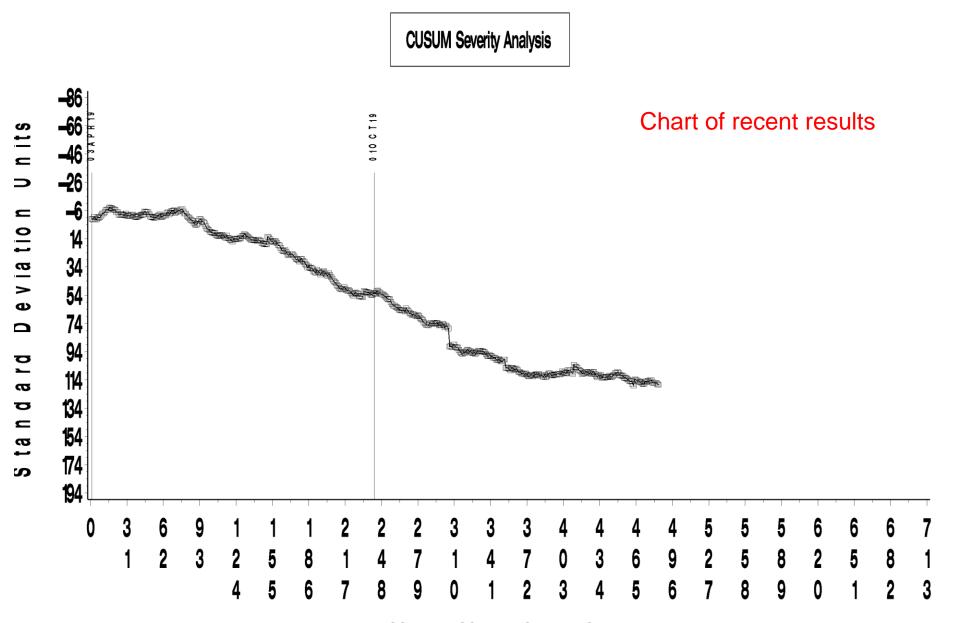
EOWT INDUSTRY OPERATIONALLY VALID DATA CFA 0.6% Water Treat Rate 20 — 25 ML CHANGE IN FLOWRATE AVG.



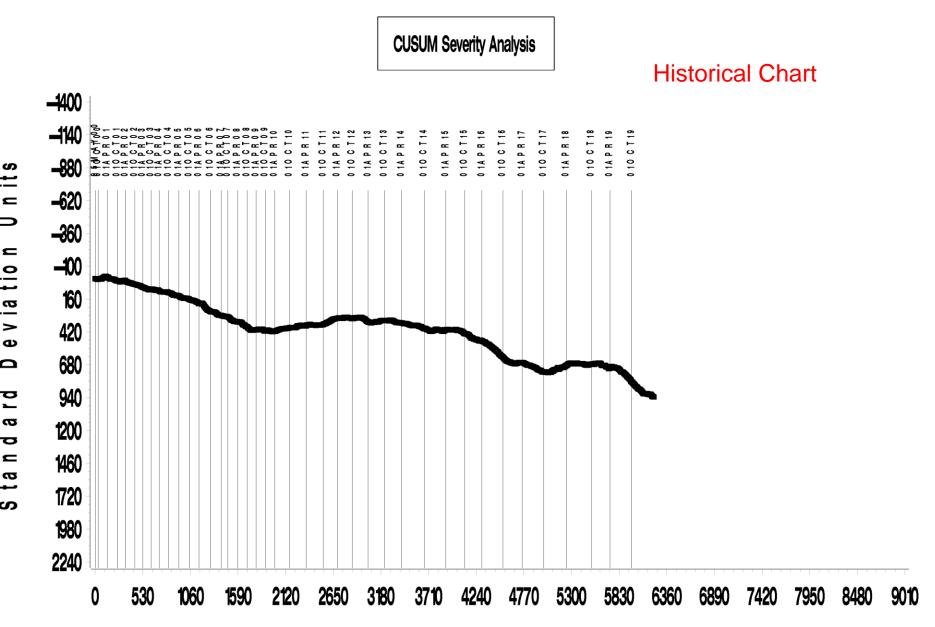


EOWT INDUSTRY OPERATIONALLY VALID DATA CFA 0.6% Water Treat Rate 20 — 25 ML CHANGE IN FLOWRATE AVG.



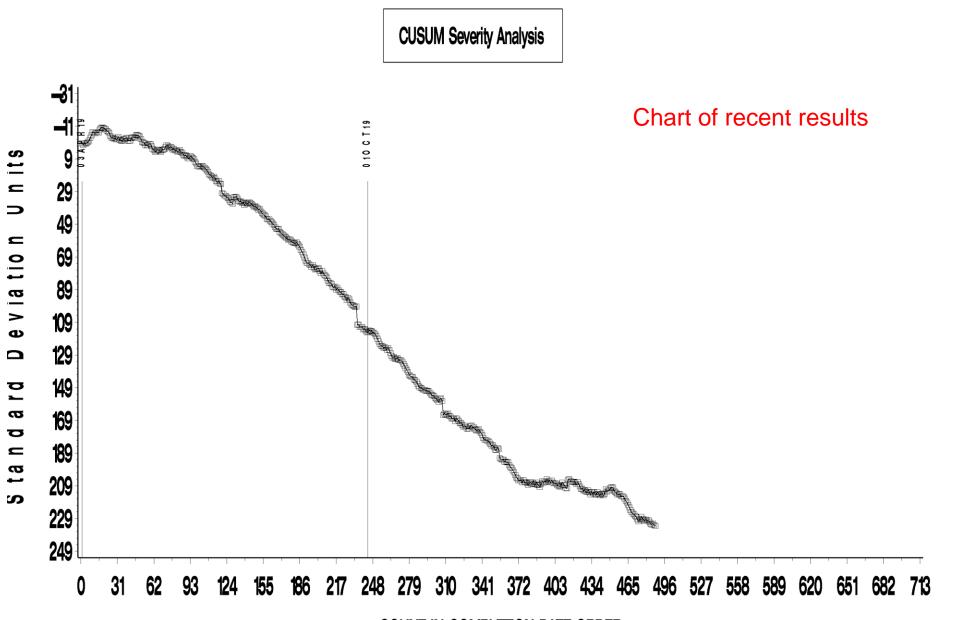


EOWT INDUSTRY OPERATIONALLY VALID DATA CFA 1% Water Treat Rate 20 — 25 ML CHANGE IN FLOWRATE AVG.

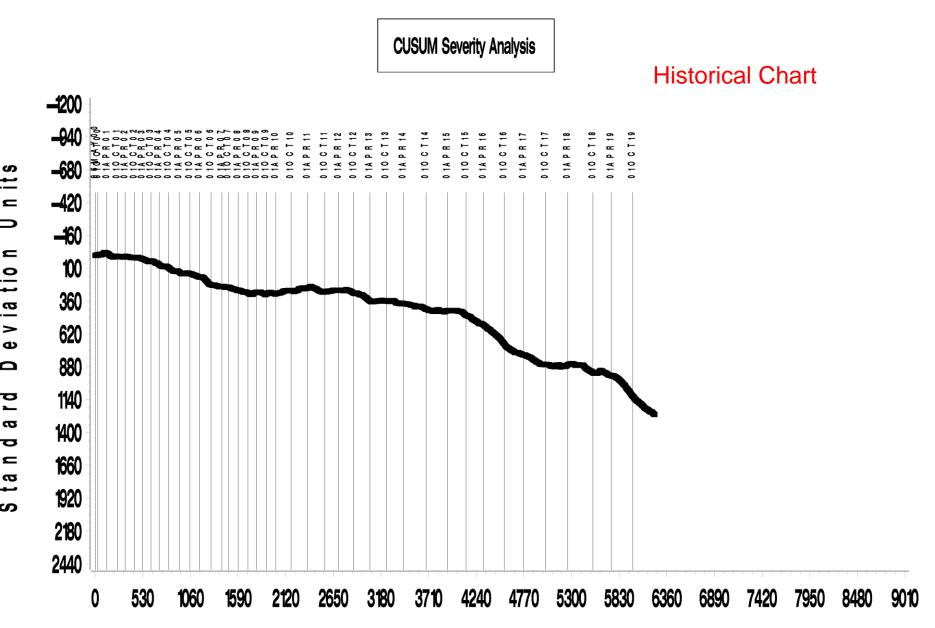


EOWT INDUSTRY OPERATIONALLY VALID DATA CFA 1% Water Treat Rate 20 — 25 ML CHANGE IN FLOWRATE AVG.



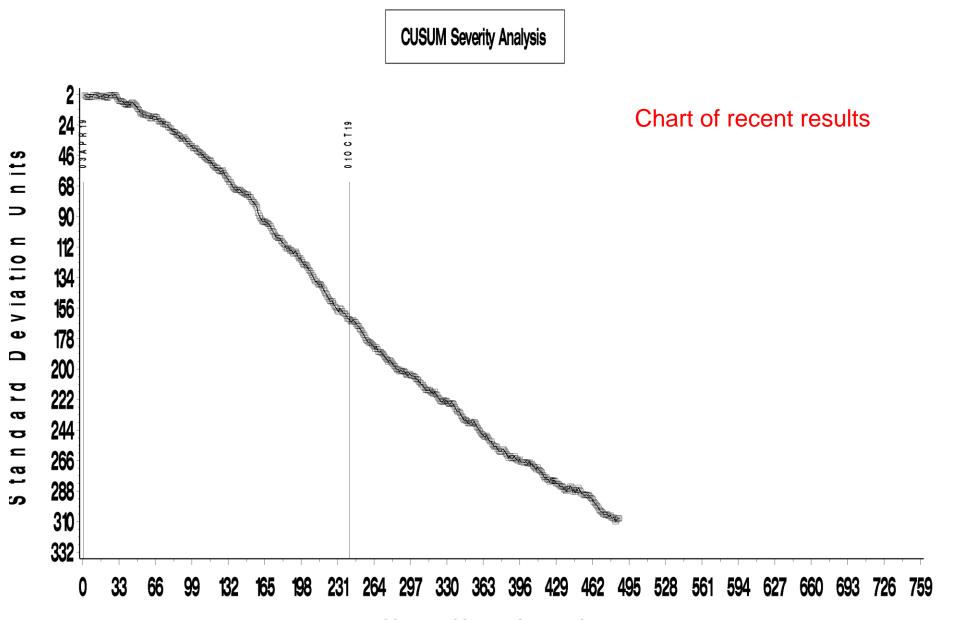


EOWT INDUSTRY OPERATIONALLY VALID DATA CFA 2% Water Treat RAte 20 - 25 ML CHANGE IN FLOWRATE AVG.

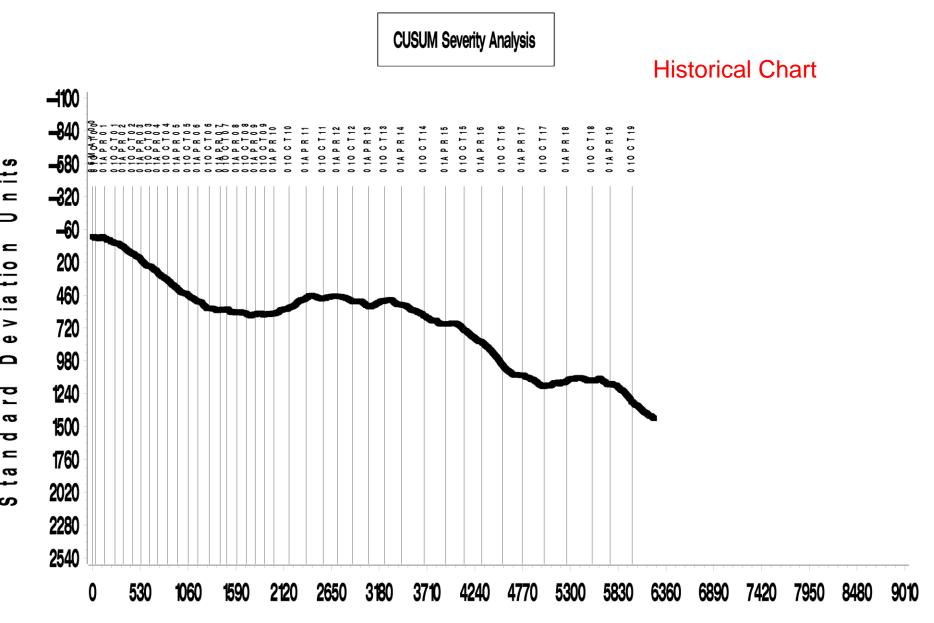


EOWT INDUSTRY OPERATIONALLY VALID DATA CFA 2% Water Treat Rate 20 — 25 ML CHANGE IN FLOWRATE AVG.



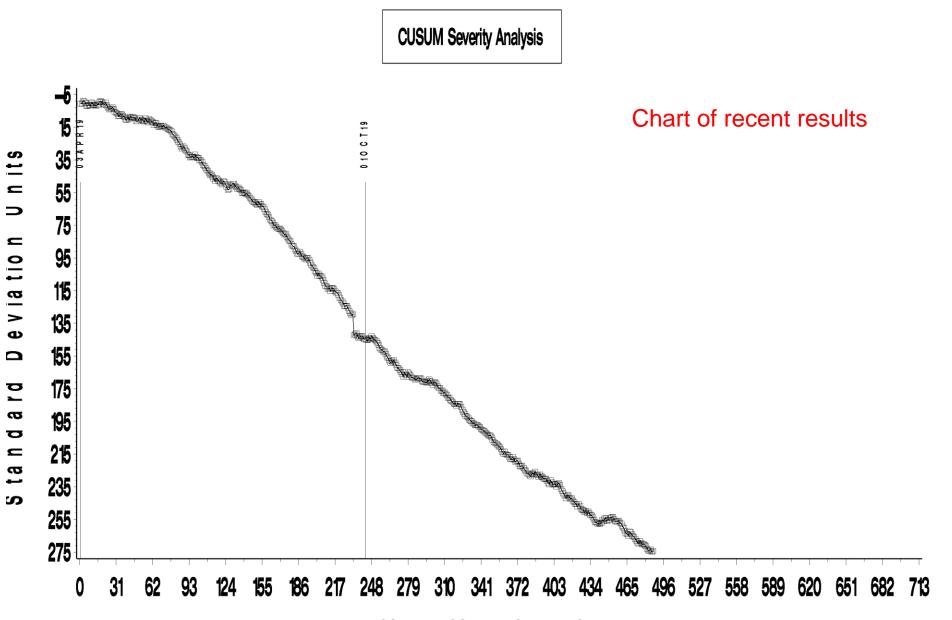


EOWT INDUSTRY OPERATIONALLY VALID DATA CFA 3% Water Treat Rate 20 — 25 ML CHANGE IN FLOWRATE AVG.

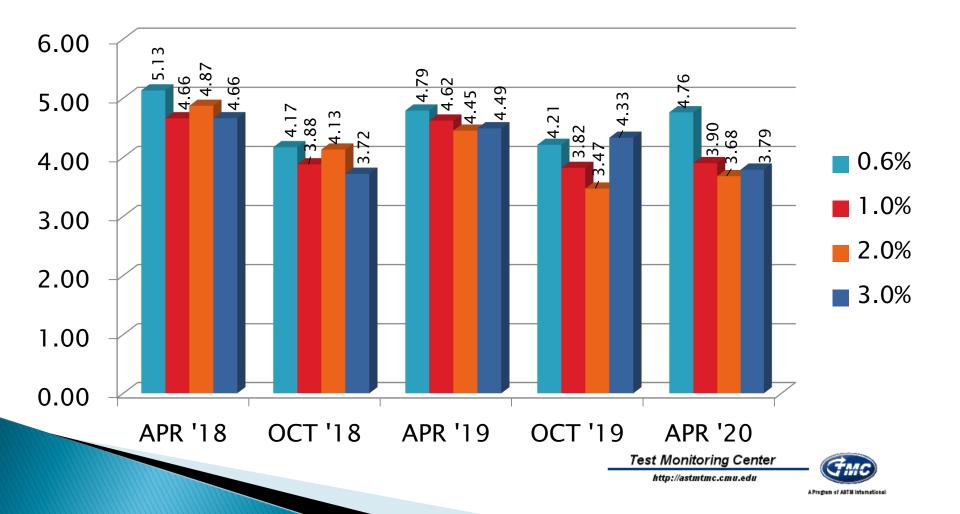


EOWT INDUSTRY OPERATIONALLY VALID DATA CFA 3% Water Treat Rate 20 — 25 ML CHANGE IN FLOWRATE AVG.





EOWT Precision Estimates



Information Letters*

| Test | Date | IL | Торіс |
|------|------------|------|--------------------------------------|
| EOWT | 12/16/2019 | 19-2 | Running Individual Water Treat Rates |

*Available from TMC Website

Test Monitoring Center



http://astmtmc.cmu.edu

Reference Oil Inventory Estimated Life

| Oil | TMC Inventory (gallons) | Quantity Shipped in last 6 months (gallons) | Lab Inventory (samples) | Estimated Life |
|------|----------------------------|--|----------------------------|----------------|
| 77-3 | 625 | 47 | 234 | 5+ years |
| 79 | 468 | 67 | 231 | 3.5 years |





Miscellaneous Information

- Available on TMC Website:
 - Oil Assignment Request and Test File Upload
 - Live Reference Test Data Bases
 - Surveillance Panel Meeting Minutes
- www.astmtmc.cmu.edu





