



Test Monitoring Center

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MEMORANDUM: 25-004
 DATE: Feb 19, 2025
 TO: L-37-1 Surveillance Panel
 FROM: Dylan Beck *Dylan Beck*
 SUBJECT: L-37-1 Reference Oil 155-2 Introduction

During an in-person surveillance panel meeting held on Feb 12th, 2025 the panel agreed to approve the use of TMC reference oil 155-2. The data analytics group reviewed the approval matrix for 155-2 and found no significant difference between 155-1 and 155-2. The panel agreed to accept 155-2 with 155-1 targets for both MnP Coated and Uncoated hardware types. The effective data of this change is February 26, 2025.

| TMC IND | Hardware Batch | Parameter | N Size | Acceptance Bands | Mean | Std. dev. |
|---------|----------------------------|-----------|--------|------------------|------|-----------|
| 155-2 | Uncoated 04-2021 & 04-2014 | RIDG | 21 | - | 9.5 | 0.5 |
| | | RIPP | | - | 8.6 | 1.1 |
| | | WEAR | | - | 7.5 | 0.7 |
| | | SPIT | | - | 9.9 | 0 |
| 155-2 | MnP Coated 04-2014 | RIDG | 9 | - | 9.3 | 1 |
| | | RIPP | | - | 8.7 | 0.7 |
| | | WEAR | | - | 7.9 | 0.8 |
| | | SPIT | | - | 9.9 | 0 |
| 155-2 | MnP Coated 04-2021 | RIDG | 7 | 8 – 10 | - | - |
| | | RIPP | | 7 – 9 | - | - |
| | | WEAR | | 7 – 8 | - | - |
| | | SPIT | | 9.8 – 10.0 | - | - |

DJB/djb/mem25-004.djb.doc

cc: Jeff Clark
 Sean Moyer
 L-371 Surveillance Panel
<http://www.astmtmc.org/ftp/docs/gear/l371/memos/mem25-004.pdf>

Distribution: email

L-371 (D8165)

- See [L-37-1 meeting minutes from 20250213](#) for the presentation from the data analytics group regarding reference oil 155-2.