| Sample | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|
| Date Received: 8/26/2021 Via: UPS Returned: UPS | | | | | | | | | |
| Setup | | | | | | | | | |
| 5 | | | | | | | | | |
| Harris Lab | | | | | | | | | |
| Applicable Standards or Procedures | | | | | | | | | |
| (1) AR/PD 10-02 Rev A with Change 6 (2) Customer Request | | | | | | | | | |
| | | | | | | | | | |
| There shall be no dimensional change in excess of 0.200-inch immediately (within 5 minutes) | | | | | | | | | |
| following compressions. There shall be no dimensional change in excess of 0.125-inch immediately (within 24 ± 1 | | | | | | | | | |
| hour) following compressions. | | | | | | | | | |
| 3 Pass compressions. | | | | | | | | | |
| Results | | | | | | | | | |
| (If Applicable) | | | | | | | | | |
| Tost Dolta | | | | | | | | | |
| ±1 hour) | | | | | | | | | |
| 0.048 | | | | | | | | | |
| Remarks: Using a 2.50-inch diameter flat anvil, the test specimen was positioned so that the highest width dimension is aligned with the center of the top anvil. The sample was compressed at a rate of 12-inches per minute until a force of 300-pounds was reached followed by unloading the force to 5.0-pound and repeat testing for a total of 25 cycles. | | | | | | | | | |
| | | | | | | | | | |
| _ | | | | | | | | | |
| _ | | | | | | | | | |
| - | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| _ | | | | | | | | | |
| 900 | | | | | | | | | |
| Time | | | | | | | | | |
| 5 m 24 = 1 ±1 (in).0.0 vith reac | | | | | | | | | |

24 of 28

HARD HEAD VETERANS LLC PROPRIETARY INFORMATION

| COMPRESSION RESISTANCE (TOP TO BOTTOM) | | | | | | | | | |
|---|---|---|--|--|--|----------------------------------|---|--|--|
| NTS-Chesapeake Testing | | | | Clien | t: Hardh | ead Veterans LLC | | | |
| 4603B Compass Point Road Belcamp, MD 21017 | | | | Test Dat Page No | e: 9/1/2 0.: 1 of 2 | 021 | | | |
| Manufacturer: Hardhead Veterans LLC | | | | Sample I | D: Hardh | lead-02 | | | |
| Sample | | | | | | | | | |
| Si Weig Co | ze: Large ght: 2.09 lbs. lor: Green | Mfg L | Model: g. Date: ot No.: | NA NA NA | | Date Received Via Returned | l: 8/26/20 i: DHL l: UPS | 021 | |
| Setup | | | | | | | | | |
| Temperature: 69.3 °F Humidity: 50 % Conditioning: Ambient | | System Loa Load Cell C Scale Scale C | System Load Cell: Load Cell Cal Due: Scale Serial. Scale Cal Due. | | 144143 11/5/2021 S AE79801510 12/1/2021 | | Test System: Instron 3366 System Cal Due: 11/5/2021 Tester: Johnathan Harris Test Location: Mechanical Lab | | |
| Applicable Standards or Procedures | | | | | | | | | |
| (1) AR/PD 10-02 Rev A with Change 6 (2) Customer Request | | | | | | | | | |
| Requirement Number | Inspection Pass/Fail | Inspection Requirement | | | | | | | |
| 1 | Pass | There shall be no dimensional change in excess of 0.020-inch immediately (within 5 minutes) following compressions. | | | | | | | |
| 2 | Pass | There shall be no dimensional change in excess of 0.020-inch immediately (within 24 ± 1 hour) following compressions. | | | | | | | |
| 3 | Pass | The shell shall exhibit no visible delamination, ply separation, distortion after the compressions. | | | | | | | |
| Results | | | | | | | | | |
| Maximum Load M (lbf.) | | | aximum (| Compression Mode of Failure (in.) (If Applicable) | | | | | |
| | 417.14 | | 0.109 | | | NA | | | |
| Pre Test Measurement (in.) | Pre Test Date / Measurement Time | | Post Test Post T (<5 minute) (<5 r (in.) (ir | | Date Tim | e (24 ±1 (in. | l est hour) | Post Test Delta (24 ±1 hour) (in.) | |
| 3.727 | 9/1/2021 8:30 AM | 3.737 | 0 | .010 | 9/2/2 8·35 | 021 AM 3.7 | 35 | 0.008 | |
| 8:30 AM 8:35 AM Remarks: Using a 2.50-inch diameter flat anvil, the test specimen was positioned so that the highest width dimension is aligned with the center of the top anvil. The sample was compressed at a rate of 12-inches per minute until a force of 400-pounds was reached followed by unloading the force to 5.0-pound and repeat testing for a total of 25 cycles. | | | | | | | | | |
| 500 |) | | | | | | | | |
| 400 | • | 11111 | 11 | 111 | | 1111 | | AA | |
| 300 200 | | | | | | | | | |
| ğ 200 | | | | | | | | | |
| 100 | | | <u>UU</u> | | UΠ | | UUU | U | |
| 100 | | | | | | | | | |
| -100 | 0 | 50 | 100 | | 150 | 200 | | 250 | |
| Time | | | | | | | | | |

26 of 28

HARD HEAD VETERANS LLC PROPRIETARY INFORMATION