

Component First Article Test (CFAT) Report

CDRL E003 to Contract W56HZV-18-D-0010

Family of Medium Tactical Vehicles (FMTV-A2)

CFAT Test Report for: *Part Description*

Oshkosh Part Number:

Vendor Part Number:

Revision:

Supplier Name:

Supplier Cage Code:

Report Date:

Report Number:

Date of Test:



OSHKOSH DEFENSE

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Contract No. W56HZV-18-D-0010

Contractor Name: Oshkosh Defense, LLC

Contractor Address: 2307 Oregon Street, Oshkosh, WI 54903-2566

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Approval & Authorization

Prepared by:	Supplier Name	Date:	01/01/2023
Approved by:	Oshkosh CFAT Team	Date:	01/01/2023
Authorized for issue by:	Andrew Martin	Date:	01/01/2023

Record of Revisions

Date	Version Number	Description of Revision
08/21/2019	0.1	Report Template, compliant with Government specifications
	0.2	Submitted to Government
01/25/2023	0.3	Updated Personnel

Oshkosh Defense
A Division of Oshkosh Corporation
 2307 Oregon Street, Oshkosh, WI 54902
 Tel: 920.235.9150 Fax: 920.233.9610
www.oshkoshdefense.com

This report is a deliverable to the U.S. Government as part of CDRL E003 of the FMTV -A2 contract. Before conducting the test(s) outlined herein, this report must be approved by an appropriate Oshkosh Defense representative and the U.S. Government must be given a minimum of 20 days advance notification. Failure to do so may be grounds to invalidate the test results and a new test conducted at the Supplier's expense

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1.0 Introduction

1.1 Test / Inspection objective(s).

Simple statement, covering the testing and its purpose. Ex, “This report outlines how [Company Name] met print requirement for drawing [Part Number] revision [Revision Number/Letter].”

1.2 Item(s) tested/inspected.

- a. Nomenclature: The Part Description, or name of the part.
- b. National Stock Number: [National Stock Number, as applicable]
- c. Oshkosh Part Number: [Oshkosh PN]
- d. Vendor Part Number: [Vendor PN, as applicable]
- e. Type of item: Tested unit’s produced purposed—ex, Prduction item, Prototype, Laboratory Model, etc
- f. Serial or lot number: [Serial/Lot Number, as applicable]
- g. Applicable engineering changes: Provide the revision number/letter here. If not to formal revision iterations, still put the -.
- h. Production item specification: [Production item specification, as applicable]
- i. Date of manufacture: [Date of manufacture]

1.3 Test/Inspection Requirements

Identify the test/inspection requirements correlated to contractual requirements including the following:

- a. Required test/inspection parameters
- b. Performance requirements, acceptance or compliance limits, and environmental criteria

This section should use your supplier-submitted plan as a source.

2.0 Summary

- a. A brief discussion of the significant test/inspection results, observations, conclusions, and recommendations:
Note how testing resolved—what notes were affirmed simply, what testing had noteworthy results with significant implications, general conclusions and recommendations to be drawn from testing results. Summarize testing results in general and in the specific where specific elements are noteworthy.
- b. Proposed corrective actions and schedules for failures or problems encountered:
Offer propositions for corrective actions or reschedules as needed to work around failures/problems encountered—if none were encountered, put “None needed.”
- c. Identification of deviations, departures, or limitations encountered, referenced to the contract requirements:
Offers identification of any deviations, departures, or limitations encountered in testing with reference to the contract requirements—if none were encountered, put “None encountered.”
- d. Tables, graphs, illustrations, or charts as appropriate to simplify the summary data:
See Appendix A for Test Result Matrix

3.0 Reference Documents

- a. Prior test inspection reports on the same item:
N/A – no previous testing on this item
- b. Test /inspection plans and procedure documents:
Reference CDRL E003 – [Your Plan Document's associated PN and date of submission]
- c. Prior certifications of compliance:
N/A – No previous CFAT on this item
- d. Contractor's file designation where test/ inspection records are maintained:
Files stored electronically on an internal company server, for extent of contract
- e. Input parameters used / Applicable Specifications:
See Test Result Matrix (Appendix A) for a list of specifications

4.0 Report

1.1 Test equipment identification. See Appendix D.

1.2 Test/inspection facility installation and set-up

- a. Location or orientation of the item:
i.e. See Test Set Up, Appendix B
- b. Location, orientation, or settings of test equipment and instrumentation:
i.e. See Test Set Up, Appendix B
- c. Location, orientation, or settings of sensors and probes:
i.e. See Test Set Up, Appendix B
- d. Location or orientation of interconnections, cables, and hoop-ups:
i.e. See Test Set Up, Appendix B
- e. Electrical power, pneumatic, fluidic, and hydraulic requirements:
i.e. See Test Set Up, Appendix B

(Drawings, illustrations, and photographs may be included in appendices for clarification.)

1.3 Test/inspection procedures

- a. Item selection and inspection that verified suitability for test/inspection:
Selected at random from the first production lot.
- b. Summarized sequence of testing/inspection steps, including a description of how the item was operated during the test/inspection, and any control conditions imposed:
Give a listing of how Print Notes were met, describing all means of handling the part tested and control conditions used. Draw from the plan document.

1.4 Test/inspection results and analysis

4.4.1 Recorded Data

The actual recorded data, ie: log book, entries, oscillographs, instrument readings, plotter graphs is provided in Appendix A.

4.4.2 Test/inspection results

- a. See Appendix A for Test Result Matrix.
- b. Discussion of these results as to how they compare to any prior test/inspections:
N/A, no previous CFAT tests for this part.
- c. Calculation examples:
List examples of all types of calculations performed in the course of testing, one example per type of calculation at minimum. N/A if none required.
- d. Discussion of anomalies, deviations, discrepancies, or failures, including their impact, causes, and proposed corrective actions. The discussion shall address discrepancies between design requirements and the tested/inspected Configuration:
[List things as above.]

1.5 Conclusions

- a. The test inspection procedures were effective in measuring item performance.
- b. The item(s) met all required test/inspection objectives.
- c. There is no need for repeat, additional, or alternative tests inspections.
- d. There is no need for item redesign or further development.
- e. There is no need for improved test/inspection procedures, techniques, or facilities.
- f. The test/inspection requirements are adequate and complete.

1.6 Recommendations

- a. Acceptability of the item(s) tested/inspected: PASS
- b. Additional testing/inspection is not required.
- c. Redesign is not required.
- d. Problem resolution is not required.
- e. Test/inspection procedure or facility improvements are not required.
- f. Disposition of items tested/inspected:
Shipped as PPAP samples
- g. Documentation changes are not required.
- h. Testing/ inspection improvements are not required.

5.0 Authentication

1.1 Authentication of test/inspection results.

The test/inspection was performed in accordance with applicable test/inspection plans and procedures, and the results are true and accurate.

(The authentication shall include the signature of the contractor personnel that performed the test(s) /inspection(s).)

Signature

Print Name

Title

Date

1.2 Authentication of prior validation.

Those requirements not tested/inspected or measured that were previously validated were performed in accordance with applicable test/inspection plans and procedures, and the results are true and accurate.

(The authentication shall include the signature of a contractor representative authorized to make such authentication)

N/A for this CFAT

Signature

Print Name

Title

Date

1.3 Authentication of acceptability.

The item(s) tested/inspected PASSED item acceptability requirements.

(This authentication shall include the signature of a contractor representative authorized to make such authentication.)

Signature

Print Name

Title

Date

6.0 **Appendices**

(Appendices shall be used to append detailed test/inspection data, drawings, photographs, or other documentation too voluminous to include in the main body of the report. This includes referenced documentation not previously provided by the government, and test/inspection reports from any associated test/inspection activity that may have performed some of the testing/inspecting requirements.)

Appendix A - Test Result Matrix

Appendix B - Test Set Up

Appendix C - CFAT Confirmation Form

Appendix D - Test Equipment

Appendix E - Supporting Documentation

Additional Appendices (If needed)

Appendix A – Test Result Matrix

Sequential Test # + (Print Note #)	Print Note	Results (Pass/Fail)	Results (Data/Variables)	Pass Criteria (Data/Variables)	Corrective Actions (N/A if None Necessary)

Appendix B – Test Set Up

Sequential Test # + (Print Note #)	Location and Orientation of the Part	Location, Orientation, and Settings of Test Equipment and Instruments	Location, Orientation, and Settings of Sensors and Probes	Location and Orientation of Interconnections, Cables, and Hoop- Ups	Electrical Power, Pneumatic, Fluidic, and Hydraulic Requirements



Appendix C – Oshkosh FMTV CFAT Test Confirmation

Supplier Name:	Part Number:
Location:	Revision level:
Cage Code:	Date of Review:
Attendees:	
Print Notes Reviewed:	
Non Print Note Items Reviewed:	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Check applicable box and sign* </div>	<input type="checkbox"/> All Items Reviewed: Pass <input type="checkbox"/> All items reviewed: Non conformance identified (See below for detail)
*DCMA should sign and stamp this form	
Identified non conformance:	

*This form must be included as an appendix with the CFAT report.

Appendix D – Test Equipment Information

Description	Nomenclature (Brand / Model)	Serial Number (ID Number)	Calibration Constants	Calibration procedures	Operating Instructions

Appendix E – Supporting Documentation