

# SOW CHANGE PROPOSAL

SOW-03-837-2-09166A-2/1

Change 1

24 August 2003

STATEMENT OF WORK (SOW)  
for the  
Inspection and Repair Only As Necessary (IROAN) of the  
Crane, Wheel Mounted, Hydraulic, Light, 7 ½ Ton  
NSN 3810-01-165-0646  
SOW Control Number SOW-03-837-2-09166A 2/1 Change 1

Replace SOW-03-837-2-09166A-2/1 in it's entirety with SOW-03-837-2-09166A-1/1

If approved, does this proposed change have the potential to have an impact on the cost or schedule?

\* Yes // or No // (Place and X in the appropriate block)

\*Changes that have the potential to impact cost or schedule will be reviewed by Maintenance Directorate (MD) and an impact statement provided to LCMC. Changes that do not have the potential to impact cost or schedule may not be reviewed by MD.

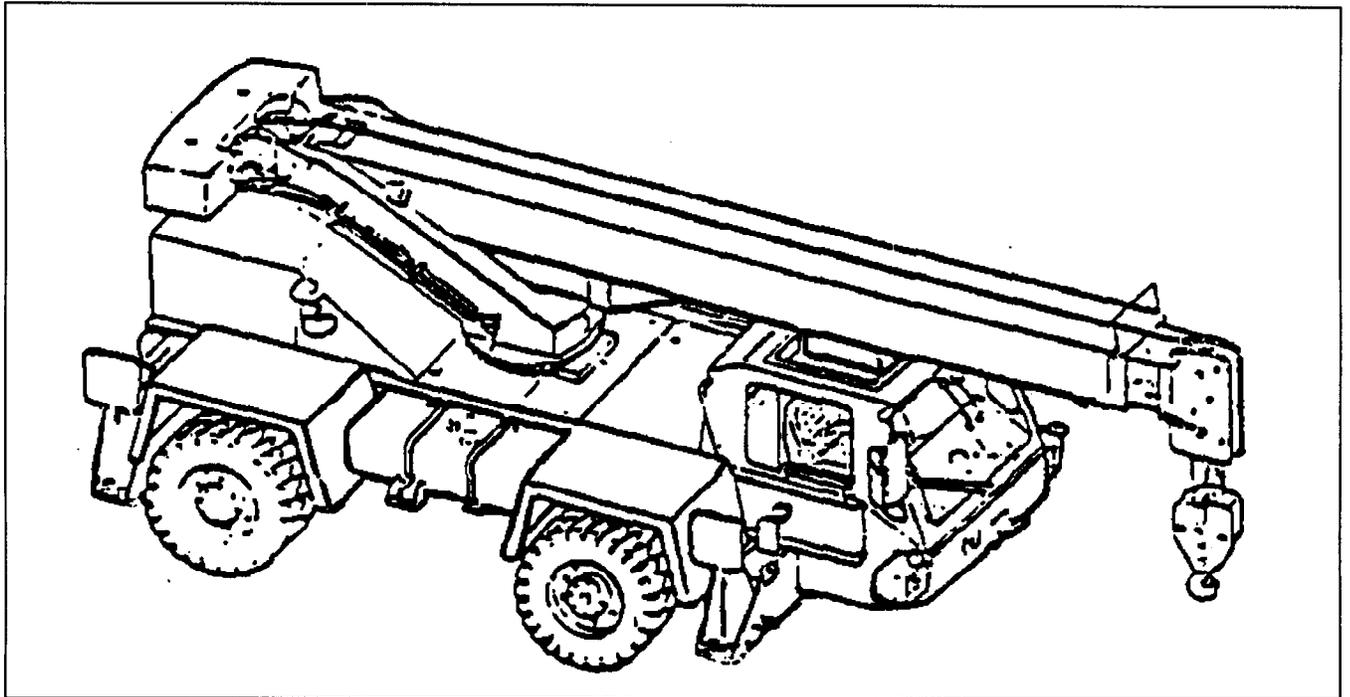
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**STATEMENT OF WORK (SOW)**  
**FOR THE**  
**REBUILD**  
**OF THE**  
**CRANE, WHEEL MOUNTED, HYDRAULIC, LIGHT, 7 1/2 TON**  
**(ROUGH TERRAIN CRANE)**



**NSN 3810-01-165-0646**

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**STATEMENT OF WORK (SOW)  
FOR THE REBUILD OF THE  
CRANE, WHEEL MOUNTED, HYDRAULIC, LIGHT, 7 1/2 TON  
NSN 3810-01-165-0646**

1.0 SCOPE. This Statement of Work (SOW) establishes, sets forth tasks and identifies the work efforts that shall be performed by the Contractor (for purpose of this SOW, Contractor is defined as the commercial or government entity performing the rebuild) in the rebuild effort of the Crane, Wheel Mounted, Hydraulic, Light, 7 1/2 Ton, NSN 3810-01-165-0646, hereafter known as the Light Crane. This document contains requirements to restore the Light Crane to Condition Code "A". Condition Code "A" is defined as "serviceable/issuable without qualification, new, used, repaired or reconditioned material which is serviceable/issuable to all customers without limitation or restriction, including material with more than six months shelf life remaining".

Questions related to this SOW should be addressed to Marine Corps Systems Command, Code PMM152, 814 Radford Blvd, STE 20343, Albany, Georgia 31704-0343, commercial telephone number (229) 639-6983 or DSN 567-6983.

Reports required by this SOW may be duplicated and provided by the Contractor by electronic means. Microsoft Software is preferred but Contractor format may be accepted, if agreed to, prior to submission.

1.1 Background. Rebuild is defined as "that maintenance technique to restore an item to a standard as near as possible to original or new condition in appearance, performance, and life expectancy. This is accomplished through a maintenance technique or complete disassembly of the item, inspection of all parts and components, repair or replacement of worn or unserviceable elements using original manufacturing tolerances and/or specifications and subsequent reassembly of the item".

2.0 APPLICABLE DOCUMENTS. The following documents form a part of this SOW to the extent specified. Unless otherwise specified, issues of these documents are those listed in the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto which are in effect on the date of solicitation. In the event of conflict between the documents referenced herein and the contents of this SOW, the contents of this SOW shall be the superseding requirement.

2.1 Military Standards

MIL-STD-129	DoD Standard Practice: Military Marking for Shipment and Storage
MIL-STD-130	Identification Marking of U.S. Military Property
MIL-STD-642	DoD Standard Practice: Identification Marking of Combat and Tactical Transport Vehicles

MIL-STD-3003 Vehicles, Wheeled; Preparation for Shipment and Storage of

## 2.2 Other Government Documents And Publications

TM 5-3810-305-10 Operator's Manual for Crane, Wheel, Mounted, Hydraulic, Light, 7 ½ Ton

TM 5-3810-305-24P Unit, Direct Support, and General Support Maintenance Repair Parts and Special Tools Lists

MCO P11262.2A Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment

TM 4750-15/1H Camouflage Paint Patterns

DoD 4000.25-1-M Military Standard Requisitioning and Issue Procedures (MILSTRIP)

TM-3080-50 Corrosion Prevention and Control

TM 4700-15/1H Ground Equipment Record Procedures

### Military Handbooks (For Guidance)

MIL-HDBK-61 Configuration Management Guidance

## 2.3 Industry Standards

ANSI/ISO/ASQC Q9001-2000 Quality Management Systems—Requirements

### Industry Standards (For Guidance)

ANSI/EIA-649 National Consensus Standards for Configuration Management

Copies of Military Specifications and Standards are available from the DoD Single Stock Point, Document Automation and Production Service, Building 4/D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, commercial telephone number (215) 697-2179, DSN 442-2179 or on the Internet at <http://www.dodssp.daps.mil>. Copies of other government documents and publications required by contractors in connection with specific SOW requirements shall be obtained through the Contracting Officer: Contract Department (Code 891), P. O. Drawer 43019, 814 Radford Blvd., Marine Corps Logistics Command, Albany, Georgia 31704-3019, commercial telephone number (229) 639-6761 or DSN 567-6761. Copies of engineering drawings, if applicable, shall be obtained from Supply Chain Management Center, Attn: Code

566-1A, 814 Radford Blvd., STE 20320, Albany, Georgia 31704-0320, commercial telephone number (229) 639-6476 or DSN 567-6476.

3.0 REQUIREMENTS

3.1 General Tasks. In fulfilling the specified requirements, the Contractor shall:

a. Provide materials, labor, facilities, missing parts, and repair parts necessary to inspect, diagnose, restore, and test the Light Crane. Upon completion of rebuild, repaired equipment shall be Condition Code "A".

b. Provide all tools and test equipment required to test, inspect, and calibrate the Light Crane.

c. Conduct final on-site testing for witness by Marine Corps Systems Command (MCSC) (Code PMM152), Albany, Georgia representative.

d. The Contractor shall be responsible for all structural, electrical and mechanical requirements associated with the restoration of the Light Crane.

e. Conduct a rebuild of the Light Crane engine using TM 5-3810-305-24P as guidance

f. Conduct a rebuild of the Light Crane transmission using TM 5-3810-305-24P as guidance.

g. Conduct 100 percent ultrasonic cleaning of the radiator and replacement of the radiator upper and lower tank gaskets. Replace radiators that fail flow or pressure test.

h. Conduct 100 percent replacement of hydraulic hoses. Rebuild or replace all other hydraulic components.

i. Be responsible for all corrosion prevention and control in accordance with the latest version of TM-3080-50.

j. Be responsible for development of four Modification Instructions and applying the following modifications to the vehicle:

- (1) Outrigger drain holes
- (2) Brake reservoirs protection

k. Be responsible for development of five product improvements to include documentation of and procurement of components and installation of the product improvements.

- (1) Installation of a Load Moment System
- (2) Replacement of batteries with the Hawker Batteries
- (3) Installation of a Battery Soligizer

- (4) Installation of a throttle lock
- (5) Replacement of bias tires with the new radial tires

1. Be responsible for repair actions as identified in the Work Structure Breakdown as provided in Appendix C

3.2 Detailed Tasks. The following tasks describe the different phases for rebuild of the Light Crane.

3.2.1 Phase I – Pre-Induction. A Pre-Induction Inspection Analysis shall be preformed for each Light Crane, which upon receipt, appears to the Contractor not to be economical to repair. If it is determined that the cost of repair exceeds the standard unit price or acquisition/replacement cost as imposed by current Marine Corps directives, or for any other reason the Contractor facility rejects a rebuild candidate, MCSC (Code PMM152), Albany, Georgia representative shall be provided by the contractor facility, a complete copy of the Pre-Induction Inspection Analysis to include a cost estimate and a request for specific instructions to MCSC (Code PMM152), Albany, Georgia in accordance with Section 4.0 of this SOW. The Contractor is permitted to use any Contractor owned forms to submit the Pre-Induction Inspection Analysis as long as that form contains all required data. The intent of this clause is to preclude the arbitrary rejection of “Rebuild” candidates by the Contractor based solely on cost criteria directed by current Marine Corps directives. MCSC (Code PMM152), Albany, Georgia representative retains the right to make final decision to restore the vehicle to a serviceable (Condition Code “A”) asset in the most expeditious manner to enhance Marine Corps readiness.

3.2.2 Phase II – Rebuild. Rebuild of the Light Crane shall be accomplished in accordance with this SOW and TM 5-3810-305-24P at the contractor’s facility.

a. Data Plates. Light Crane shall have a rebuild data plate located next to the original manufacturer’s data plate. The data plate shall meet the requirements of MIL-STD-130. Replace all data plates and decals that are missing and illegible. Rebuild data plates shall be prepared by the Contractor and contain the following information:

VEHICLE SERIAL NO \_\_\_\_\_  
 REPAIRED IN ACCORDANCE WITH SOW-03-837-2-09166A-1/1  
 CONTRACTOR \_\_\_\_\_  
 DATE \_\_\_\_\_  
 VEHICLE HOUR METER READING AT TIME OF IROAN \_\_\_\_\_

b. Vehicle Capacity Charts. With the use of the new radial tires, vehicle capacity charts must be replaced. MCSC (Code PMM152), Albany, Georgia will provide new capacity charts upon vehicle induction into the IROAN process.

c. Hardware

(1) Replace broken, unserviceable and/or missing hardware including nuts, bolts, screws, washers, turn lock fasteners, safety and one-time use items, etc, in accordance with the

TM 5-3810-305-24P. Unserviceable would include any of the above that failed to function properly.

(2) Ensure proper hardware locking devices are present on all moving mechanical assemblies.

(3) Hardware normally supplied with commercial parts shall be used unless specifically prohibited.

(4) The Contractor is authorized to fabricate "by example" any item/part for the Light Crane, which an engineering drawing does not exist or for any other reason the government may approve.

### 3.2.3 Phase III - Inspection, Testing And Acceptance

a. Inspection, testing and acceptance of the Light Crane shall be conducted in accordance with, TM 5-3810-305-10, TM 5-3810-305-24P, MCO P11262.2A and this SOW.

b. The Contractor shall be responsible for conducting required tests and shall ensure all necessary personnel are available to complete the final acceptance. Acceptance test shall be held at the Contractor's facility. MCSC (Code PMM152), Albany, Georgia representative(s) shall be given a minimum of two weeks notice prior to beginning acceptance testing. The test area shall be cleared of all equipment, parts, components, etc., not required for the test. Testing shall include an operational test. Vehicle shall be road and operational tested in accordance with Appendix A.

c. All Light Cranes rebuilt under the provisions of this SOW shall be Load Tested and Condition Inspected as per MCO P11262.2A. A completed Condition Inspection Record and Certification of Load Test Record shall be provided for insertion in the vehicle record jacket. A Condition Inspection Record and Certification of Load Test Record shall be over packed with each vehicle. These records can be found in TM 4700-15/1H and are not included in this SOW.

d. Vehicle Boom Assembly shall be stenciled with one-inch letters and in a location that is readily visible to the operator when the boom is fully retracted, that the equipment has been Load Test Certified and the date certified. Stencil shall be in a lusterless black paint. Stencil sample: Load Tested 01 OCT 04.

e. The Contractor shall be responsible for correcting any deficiencies identified during inspection/testing. MCSC (Code PMM152), Albany, Georgia representative(s) may require the Contractor to repeat tests or portions thereof, if the original tests fail to demonstrate compliance with this SOW. Light Cranes shall be lubricated and greased in accordance with the vehicle lubrication chart contained within TM 5-3810-305-10. All coolant and oil levels shall be full to proper levels.

f. Vehicle Markings. Registration numbers and other markings shall be applied in accordance with TM 4750-15/1H and MIL-STD-642. Lifting and tie down attachments shall be identified with one-inch letters indicating "SLING POINT" or "TIE DOWN".

### 3.2.4 Phase IV - Packaging Handling Storage And Transportation (PHS&T)

a. The Contactor shall be responsible for preservation and packaging of item(s) being repaired under the terms of this SOW. Items scheduled for long-term storage shall be in accordance with the Level "A" requirements of MIL-STD-3003. Items being prepared for domestic shipment for immediate use or shipment to overseas destinations with the exception of Maritime Pre-Positioned Forces (MPF) shall be Level "B", Drive-on/ Drive-off. Items scheduled for overseas shipment shall have a label affixed which reads, "NOT FOR WEATHER DECK STOWAGE". Light Cranes scheduled for shipment to MPS shall be Level B, MPS Modified Drive Away.

b. The Terms Drive-on/Drive-off and MPF Modified Drive Away are defined as follows:

(1) Drive-on/Drive-off: Batteries will be hot and disconnected from vehicle electrical system. Terminals and leads will be taped. Fuel tank shall be filled  $\frac{1}{4}$  full of JP-5/8. The air intake system, exhaust and brake systems, drive train and gauges are to be depreserved.

(2) MPF Modified Drive Away: Batteries shall be hot and connected to vehicle electrical system. Fuel tank shall be filled  $\frac{3}{4}$  full of JP-5/8. The air intake system, exhaust and brake systems, drive train and gauges are to be depreserved. Fire extinguisher bracket and seats (all) shall be installed.

c. All Cranes will be preserved to MPF Modified Drive Away unless otherwise directed by MCSC (Code PMM152), Albany, Georgia representative(s).

d. Marking for shipment and storage shall be in accordance with MIL-STD-129.

e. The Marine Corps will provide the Contractor with shipping addresses for delivery of repaired equipment. Marine Corps shall be responsible for arranging for shipment of the equipment to the pre-designed site(s). The Marine Corps will be responsible for transportation costs associated with shipping the subject equipment to and from the contractor.

## 3.3 Configuration Management

### 3.3.1 Configuration Status Accounting

a. The Contractor shall determine the application status of approved configuration changes by visual inspections to the extent possible. The Government will identify the configuration changes to be inspected by furnishing a Configuration Checklist (Appendix B) to the Contractor. The Contractor shall use one checklist for each Light Crane to record the inspection findings along with other required data.

b. The Contractor shall record serial numbers of the assemblies listed on the Configuration Checklist. The Contractor shall record the information on the same form that was used to record the application status of configuration changes.

3.3.2 Configuration Control. The Contractor shall apply configuration control procedures to established configuration items. The Contractor shall not implement configuration changes to an item's documented performance or design characteristics without prior written authorization. If it is necessary to temporarily depart from the authorized configuration, the Contractor shall prepare and submit a Request For Deviation (RFD). MIL-HDBK-61 and ANSI/EIA-649 provide guidance for preparing this configuration control document.

3.4 Government Furnished Equipment/Government Furnished Materiel (GFE/GFM). The Management Control Activity (MCA) (Code 581-1B) will coordinate GFE/GFM requests and maintain a central control system on all government owned assets in the Contractor's possession. The MCA will forward a GFE Accountability Agreement to the Contractor for signature on an annual basis to establish a chain of custody and identify property responsibilities for Marine Corps assets. The Contractor is to acknowledge receipt of GFM to the MCA within 15 days of receipt. This can be done by mailing a copy of the DD1348 to Materiel and Distribution Management Department, Distribution Management Branch, Management Control Activity (Code 581-1B), 814 Radford Blvd., STE 20320, Albany, Georgia 31704-0320, or faxing a copy to commercial telephone number (229) 639-5498 or DSN 567-5498.

3.5 Contractor Furnished Materiel (CFM). The Contractor may requisition materiel as required in the performance of the SOW through the DoD Supply System. DoD 4000.25-1-M (MILSTRIP) Chapter 11 provides guidance to contractors on the requisitioning process. The Contractor's decision to utilize CFM procured from the DoD Supply System shall be based upon cost effectiveness, availability of materiel and the required completion/delivery date.

3.6 Quality Assurance Provisions. The performance of the Contractor and the quality of work delivered, material provided and documents written shall be subject to in-process review and inspection by MCSC (Code PMM152), Albany, Georgia representative(s) during contract performance. Inspection may be accomplished at any work location. Authorized MCSC (Code PMM152), Albany, Georgia representative(s) shall be permitted to observe the work/task accomplishment or to conduct inspections at all reasonable hours within contractor's normal working hours. Acceptance tests shall be held in-plant. Inspection by MCSC (Code PMM152), Albany, Georgia representative(s) of all acceptance tests plans, materials and associated lists furnished hereunder does not relieve the Contractor from any responsibility regarding defects or other failures to meet contract requirements which may be disclosed prior to final acceptance.

The Contractor shall provide and maintain a Quality System that, as a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9001-2000, Quality Management Systems-Requirements. The Contractor work shall be subject to in-process reviews and inspections for compliance with Quality Systems by MCSC (Code PMM152), Albany, Georgia representative(s). Noncompliance with procedures resulting in degraded quality of work may result in a stop-work order requiring action by the Contractor to correct the work performed and to enforce compliance with quality assurance procedures or face contract termination. Notwithstanding

such, MCSC (Code PMM152), Albany, Georgia representative(s) inspection, it shall be the Contractor responsibility to ensure that the entire system meets the performance requirements delineated and addressed in the Light Crane TM 5 3810-305-24P and this SOW.

Quality assurance operations performed by the Contractor shall be subject to the MCSC (Code PMM152), Albany, Georgia representative(s) verification at any time. MCSC (Code PMM152), Albany, Georgia representative(s) verifications can include, but shall not be limited in any matter, to the following:

- a. Inspection of materials, products, assemblies, and documentation to assess compliance with quality standards.
- b. Surveillance of operations to determine that quality assurance, practices, methods, and procedures are being properly applied.
- c. Inspections of deliverable products to assure compliance with all requirements of the Light Crane, this SOW, and applicable documents used herein.
- d. Failure of the Contractor to promptly correct deficiencies discovered shall be a reason for suspension of acceptance until corrective action has been made.

**3.7 Acceptance.** The performance of the Contractor and the quality of work delivered, including all equipment furnished and documentation written or compiled shall be subject to in process review and inspection during performance. Inspection may be accomplished in plant or at any work site or location, and MCSC (Code PMM152), Albany, Georgia representative(s) shall be permitted to observe the work or to conduct inspection at all reasonable hours. Final inspection and acceptance testing shall be conducted at the contractor facility. Final acceptance shall be conducted on 100 percent of items to verify that the units meet all requirements. Appendix A shall be used to record the results of the Final Inspection Analysis.

**Acceptance Testing.** The Light Crane rebuilt under the provisions of this SOW shall be accomplished in accordance with TM 5-3810-305-24P, MCO P11262.2A, and this SOW.

**3.8 Rejection.** Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCSC (Code PMM152) Albany, Georgia representative(s). The Contractor, at no additional cost to the Marine Corps, shall provide the following:

- a. Develop an approach for modification or correction of all deficiencies.
- b. On approval of a documented approach, the contractor shall correct the deficiencies and repeat verification until acceptable compliance with acceptance test procedures is demonstrated.

**4.0 REPORTS.** The following reports shall be provided to MCSC (Code PMM152), 814 Radford Blvd., STE 20343, Albany, Georgia 31704-0343.

4.1 Pre-Induction Inspection Analysis. The Contractor shall complete a Pre-Induction Inspection Analysis for each Light Crane inducted into the repair cycle identified by the Contractor as not economical to repair. Contractor form(s) are permitted. One copy of the Pre-Induction Inspection Analysis shall be provided to MCSC (Code PMM152), Albany, Georgia and/or their representative(s) after inspection of the Light Crane.

4.2 Road Test and Final Inspection. The Contractor shall complete a Road Test and Final Inspection (Appendix A) for each Light Crane rebuilt. This document shall be available during final acceptance testing. One copy of each document shall be provided to MCSC (Code PMM152), Albany, Georgia and/or their representative(s) after final acceptance of the Light Crane, or upon request.

4.3 Configuration Checklist. The Contractor shall complete the Configuration Checklist (Appendix B) for each Light Crane rebuilt. This document shall be available during final acceptance testing. One copy of each document shall be provided to MCSC (Code PMM152), Albany, Georgia and/or their representative(s) after final acceptance of the Light Crane, or upon request.

4.4 Certification Of Load Test/Condition Inspection Report. A completed Certification of Load Test Record and Condition Inspection Record shall be over packed with each Light Crane rebuilt. All inspection items listed in this report may not apply to the Light Crane. Inspections items that do apply shall be functional and pass inspection requirements. Mark inspection items that do not apply as N/A.

4.5 Production Progress Report. The Contractor shall provide a monthly Production Progress Report summarizing the progress and status of this rebuild program. Microsoft Software is the preferred software for promulgation of the monthly Production Progress Reports. Contract format and software may be accepted if agreed to prior to submission.

**CONFIGURATION CHECKLIST  
CRANE, WHEEL MOUNTED, HYDRAULIC, LIGHT 7 1/2TON  
MODEL LRT 110**

**VEHICLE:**

Vehicle OEM Serial Number: \_\_\_\_\_

Marine Corps Registration Number: \_\_\_\_\_

**VEHICLE ENGINE:**

Original Vehicle Engine Serial Number: \_\_\_\_\_

Replacement Engine Serial Number: \_\_\_\_\_

**VEHICLE TRANSMISSION:**

Original Vehicle Transmission Number: \_\_\_\_\_

Replacement Vehicle Transmission Number: \_\_\_\_\_

**APPROVED CONFIGURATION CHANGES:**

Modification/Product Improvements: (See requirements in Section 3.1.j and 3.1.k)

Modifications: The modifications listed below have been verbally approved by MCSC for installation during the rebuild of this vehicle.

1. Improve Mirrors
2. Outrigger drain holes
3. Front windshield protection devise
4. Brake and clutch reservoir protection

Product Improvements: Six product improvements have been verbally approved by MCSC for installation during the rebuild of this vehicle.

1. Installation of a Load Moment System.
2. Replacement of all batteries with the Hawker Battery.
3. Installation of a Battery Soligizer System.
4. Installation of a throttle lock.
5. Installation of a vehicle improved leveling devise.
6. Replacement of bias tires with the new radial tires.

**ROAD TEST AND FINAL INSPECTION  
CRANE, WHEEL MOUNTED, HYDRAULIC, LIGHT 7 1/2TON  
MODEL LRT 110**

1. Inspection and testing Instruction.
  - a. Each vehicle rebuilt in accordance with this SOW shall be fully inspected, operational tested and certified to be complete with all discrepancies corrected.
  - b. This document shall be provided to Marine Corps Systems Command, Code PMM152 representative(s) for each vehicle rebuilt.
  - c. Quality Control personnel shall ensure all modifications and product improvements as identified in the Rebuild SOW have been applied to the vehicle to be inspected.
  
2. Inspection Safety Check.
  - a. An inspection safety check shall be accomplished prior to the vehicle operation.
  - b. Under no circumstances will an inspector accept a vehicle for operational test when, due to certain apparent discrepancies, it may be hazardous to operate the vehicle.
  - c. The inspector will make a visual check and prepare a written check-off to determine the vehicle readiness for inspection by noting the following:
    - (1) Tires properly inflated.
    - (2) All systems that contain fluids are free of leaks.
    - (3) Brake system functions properly.
    - (4) Hydraulic system functions properly.
    - (5) Electrical system functions properly.
 

(a) Service Taillight	Right Side _____	Left Side _____
(b) Service Stop Light	Right Side _____	Left Side _____
(c) Blackout Taillight	Right Side _____	Left Side _____
(d) Blackout Stop Light	Right Side _____	Lest Side _____
(e) Turn Indicator	Right Side _____	Front/Rear _____
	Left Side _____	Front/Rear _____

(f) Clearance/Marker Lights    Right Side \_\_\_\_\_    Left Side \_\_\_\_\_

3. Road Test and Final Inspection Requirements. After the vehicle has been released to the inspector for road and final inspection, the inspector will make a visual check of items that are identified in the Condition Inspection Record (SOW Appendix B) and apply to this vehicle configuration.
4. A five-mile road test shall be performed on smooth, level, hard surfaced roads at sustained speeds without incurring damage to the vehicle.
5. The vehicle shall be completely assembled and serviced, but does not require load testing at this time.
6. A Road Test and Final Inspection Checklist sheet shall be completed.
7. Each characteristic listed shall be inspected.

Item No.	Parameter	Requirement	Method of Inspection	Pass	Fail
1.	Engine Oil Level	Engine Oil level should read between the "L" and "F" marks on the engine dipstick	Visual Functional		
2.	Engine Coolant Level	Engine coolant should be near top of radiator tank	Visual Functional		
3.	Hydraulic Fluid Level	Hydraulic fluid level should be on the full mark on the tank dipstick with all cylinders retracted	Visual Functional		
4.	Transmission Oil Level	Check Transmission oil level with engine running and transmission in neutral. Operating temperature of 160-190 degrees F. Level should be on the full mark.	Visual Functional		
5.	Fuel Water Separator	Check fuel/water separator for water in sediment bowl	Visual Functional		
6.	Fuel	Check fuel gauge. Engine fuel level should meet requirements of SOW 3.2.4.b.(2). Fuel level gauge must register equivalent to tank level.	Visual Functional		
7.	Air Cleaner	With engine running, check cleaner restrictor indicator for proper reading. Should indicate a clean condition.	Visual Functional		

8.	Tires	All tires should be the new radial tire and inflated to 115 PSI	Visual Functional		
9.	Wheels and Hubs	Wheels and hubs shall be free of wobble and noise. Wheels and hubs shall be free of abnormal heating conditions.	Visual Functional		
10.	Service Brakes	Service brakes shall be tested to the extent necessary to ensure proper operation and performance. The vehicle service brakes shall control, decelerate, and stop the vehicle on dry, hard, level, smooth ground. Application of brakes on all wheels shall be concurrent.	Visual Functional		
11.	Parking Brakes	Ensure parking brakes holds with transmission in gear and releases brakes fully	Visual Functional		
12.	Exhaust System	Ensure exhaust system is secured properly and free from excessive vibration.	Visual Functional		
13.	Steering	Ensure steering operation is smooth and does not pull to one side or wander	Visual Functional		
14.	Drive Train	Check for unusual noises and excessive vibration. Unusual noises and excessive vibration are not permitted.	Visual Functional		
15.	Transmission	Ensure forward and reverse operation, smooth shifting, and check for unusual noise.	Visual Functional		
16.	Defroster	Check heater for proper operation	Visual Functional		
17.	Heater	Check heater/defroster fan(s) for proper operation.	Visual Functional		
18.	Windshield Wipers	Check windshield wipers for proper operation and travel. All wiper blades should be new.	Visual Functional		
19.	Light Operational Test	Service Stop lamp, Service tail lamp, blackout stop lamp, blackout tail lamp, clearance lamps, work lamps, and turn indicators shall operate properly and be free from defects.	Visual Functional		

20.	Controls Check	All controls shall be operated and checked for functional requirements	Visual Functional		
21.	Condition Inspect Report Items (TM 4700-15/1H)	All items contained on this list that applies to this vehicle will be inspected to ensure vehicle functional operation.	Visual Functional		
22.	Painting, Marking, and Data Plate Check	Painting, marking, and service data plate shall be inspected for conformance to specification and special requirements.	Visual Functional		
23.	Vehicle Cleaning	Exterior surfaces of vehicle shall be free of dirt, grease, and any other contaminants. Exposed surfaces, to which application of preservative is specified shall be cleaned and dried with applicable process procedures to accomplish cleaning without damage to the vehicle.	Visual Functional		
24.	Load Testing Certification Check (Inspected after Load Testing)	Vehicle will be inspected to ensure load testing has been conducted, vehicle boom marked as such, and documentation is with vehicle as required by this SOW.	Visual Functional		
25.	Vehicle Operational Temperature Check	Engine water, engine oil, and hydraulic oil temperatures shall be in prescribed temperature ranges as per TM 5-3810-305-10 requirements.	Visual Functional		
26.	Battery Voltage	Battery Voltage shall be 24-28 Volts DC	Visual Functional		

8. After completion of road test, vehicle shall be turned over to the contractor load testing facility for load testing. Load Testing shall be conducted in accordance with MCO P1162.2A. The hook block will be inspected as per MCO P11262.2A, 2002.3. Hook tram points shall be clearly visible. Hook shoulder to trunnion clearance shall be 0.12 in (3.0 MM) as specified in TM5-3810-305-24P.





WORK BREAKDOWN

NIIN	TEREX PART NO.	VENDOR PN	QTY	FIG/ITEM	SOURCE	COST			NOTES
						100% REPLACE	100% REBUILD	% UPGRADE MODS	
206871		D00-07814	1	9-12	22075			10%	
12817916	207894	B99-02035	2	9-12/1	55683	X			
13327675	206814		2	9-8	6S313/7Z016				
13325562	208113		2	9-9	81495				
12634252	206847		2	9-9/3	5E074	X			
12636101	206848		2	9-9/4	61125	X			
12796250	207369		2	9-10/6	81495		X		
207390			2						
12669663	207371		2	9-10/8	6S313/55683			10%	
12668467	207372		4	9-10/9	1RGZ2			10%	
12672934	207373		2	9-10/10	6S313/5E074			10%	
12668468	207374		4	9-10/11	OYBC5/2B14			10%	
12842359	207388		2	9-10/30	8E499			5%	
14655823	138-864-554	12X22.5 LCM 14 PLY	2	9-11	04NFP3/12195	X		3%	
12391830	709 1010		1	9-4	04519/49185			10%	
12615505	206838		2	9-7	4Y711/5E074				
12619683	206842		2	9-7/4	55683/61125	X			
12632626	206843		2	9-7/5	LSS	X			
02317357	4203913		1	9-5/17	0B260/19151	X			
12449842	206789	28270AL	1	9-6	81495			3%	
12636100	206806		1	9-6/17	5E074	X			
12641646	206807		1	9-6/18	61125	X			
13327675	206814		2	9-8	6S313/7Z016	X			
13325562	208113		2	9-9	81495				
12634252	206847		2	9-9/3	5E074	X			
12636101	206848		2	9-9/4	61125	X			
12763565	207368		2	9-10/6	59534/6S313		X		
207389			2						
12669663	207371		2	9-10/8	6S313/55683			10%	
12668467	207372		4	9-10/9	1RGZ2			10%	
12672934	207373		2	9-10/10	6S313/5E074			10%	
12668468	207374		4	9-10/11	OYBC5/2B14			10%	
12842359	207388		2	9-10/30	8E499			5%	
14655823	138-864-554	12X22.5 LCM 14 PLY	2	9-11	04NFP3/12195	X			
12633138	7091101		1	11-9/1	2X264/61125		X		
13562693	709A1143		1	11-10	7Z016	X			
			1	11-11					AWAITING PN FROM TEREX
12615507	709A1176		2	11-12	7Z016/5E074	X			
12619815	709 1011		1	14-9	8S130/90847				
13641701	709A1824	520F-24V	1	14-12	7Z016/5E074	X			PURCHASE 1 SET, ??MAKE/PURCHASE??
12672762	1223-737		1	14-8/1	2B144/61125	X			CAB
14310574	709A1169		1	14-10	7Z016/1JX19	X			
			1						
		K758725	1						X
		K035012	1						X
12699804	7091125		1	14-1	2b144/9z443				
12853368	709 1015	53487	1	14-1/3	0ZBE8/0YWF	X			
12665842	709 1017	53482	1	14-1/4	7Z016/59534	X			
12846517	709 1014	53481	1	14-1/5	59534/9X866	X			
12650632	709 1013	53461	1	14-1/6	5E074/5H478	X			
12665841	709 1016	9024272	1	14-1/7	0VW10/9X866	X			

WORK BREAKDOWN

NIIN	TEREX PART NO.	VENDOR PN	QTY	FIG/ITEM	SOURCE	COST			MODS	NOTES
						100% REPLACE	100% REBUILD	REPLACE % UPGRADE		
11765627	1223-743	900-208	3	14-1/8	71744/4W183	X				
12846521	709 1018	53483	1	14-1/9	9X866/0VW10		5%			
12846520	709 4305	530F0-48426	1	14-1/10	58499/0P0V0	X				
12842752	709 4304	MC-07-1300	1	14-1/11	19151	X				
18120953	706 1057	813-1030-1471-506	1	14-1/12	5N063/9X866	X				
12314920	442 2613	90030-02	2	14-1/13	5P322/4B622	X				
12845926	709 1091	304262-003-111	1	14-4/8	1T268/7A013	X				
12633239	709 1030	304243-002-122	2	14-4/9	7A013/55683	X				
12805573	207604	A62433	2	14-5/10	41625	X				
12778792	207605	A62432	2	14-5/11	41625	X				
11879775	207610	A49391	2	14-5/16	41625	X				
33170682	40114	1789702	1	14-6/9	68964/1QF44	X				
12633236	709 1028	30423-003-203	1	14-6/15	7A013/5M622	X				
11697388	709 1026	02183400	1	14-7/1	7Z016/06YZ5	X				
	706 1025	X-23812A	1	14-7/7		X				AWAITING TEREX
12662580	7091001	FAG567681	1	12-1/1	6S313		5%			
12850543	709 1564		4	12-3/10	61125	X				
12633230	709 1563		11	12-3/12	6S313	X				
12691500	709 1879		2	12-3/25	59534/9X866	X				
12616540	709 1569		1	12-3/26	6S313	X				
13561728	709A4369		1	12-4	0YBC5/8A310		5%			IS THIS NEEDED WITH LMI ??
	1269-180		180	13-1/3	81495		5%			
36206896	B17006		1	13-1/4	5E074	X				
11967934	B4070		1	13-1/5	6S313	X				
12854898	1222-32		2	13-1/7	4Y711/01KU3	X				
12711842	1209-71		2	13-6/4						
12727501	709 1562		2	13-6/5	5E074/6S313					
12716430	1217-236	MR-36	1	13-6/6	4Y711					
12855931	340 4613	41NTU24221NK	1	13-6/9	9X866/61125					
12716435	401 4705	T-151	1	13-6/10	5E074/4Y711					
12890431	7091551		1	13-6/11	5E074/01KU3					
12753445	709 1553		1	13-6/12	5E074/1DHW					
12696602	709 1554		1	13-6/13	5E074					
	709A1060		1	11-13						AWAITING TEREX PN
14851472			2		0WY95			X		
12958316	709 1181		2	6-6/2	1R9W4/05606	X				??MAKE??
12712205	709F4215		2	6-6/3	7Z016/5E074	X				
12686585	709 1074		1	6-6/6	61125/8E499	X				
12691864	709 1071		1	6-6/8	9H953/8E499	X				
12686584	709 1073		1	6-6/9	19151/61125	X				
12686587	709 1098		1	6-6/10	9H953/61125	X				
12686586	709 1099		1	6-6/11	7Z016/9H953	X				
12686588	709 1072		1	6-6/12	61125/9H953	X				
12686589	709 1075		1	6-6/13	19151	X				
12677938	12182-63	1375-1/4-B-3	1	6-6/14	S91	X				

WORK BREAKDOWN

NIIN	TEREX PART NO.	VENDOR PN	QTY	FIG/ITEM	SOURCE	COST			MODS	NOTES
						100% REPLACE	100% REBUILD	% UPGRADE		
12641221	200B2007-4		4	6-6/15	2B144/61125	X				
11692437	709 1077	12256937	1	6-6/17	9X866/09179		10%			
12661399	12169-7-9	1375-3/8-B-3	1	6-6/19	S91	X				
12691489	1203-237		1	6-6/22	7R834	X				
12614885	709 1056	7501-24	2	6-7/3	7Z016/9U103	X				
06799046	709 1038	1030004	1	6-7/4	5A910/1F926	X				
13952980	709 1036	752-2101	2	6-7/5	19151/00D27	X				
11869577	420 5933	A25774	1	6-7/6	5E074/55683	X				
12643406	420 2972	SPX1A-60F26QC	1	6-7/10	7Z016/85S377	X				
11390853	1223-748	C-63-1203	6	6-7/14	7Z016/85S377	X				
12653791	709-1045	5E074/18151	1	6-8/1	2S308/1B712		10%			
12691895	709-1048	0YBC5/19151	1	6-8/2	0YBC5/19151		10%			
11618171	709 1087	0332-014-203	2	6-8/6	3L018/5A886	X				
10934439	709 1039	11614157	2	6-9/1	28501	X				
09976355	420 4973	752-6901	2	6-9/2	9R205/0EV39	X				
12666638	1223-716	574-112	1	6-9/3	58499/54840	X				
12841052	709 4341		4	6-9/9	5S883/0LFM3					
	4202965	24008-02	1	6-9/11	13445	X				
12650627	7091019	40777-049	1	6-9/16	5R980/61125	X				
12902621	208341	9610070	1	6-9/16	55683	X				
12822531	709-1044		1	6-9/18	65313/92443	X		FAB		
08114663	1223-673	MS24658-239	1	6-9/22	13028/2B428	X				
12623152	709A1469		1	6-10	7Z016/0ZBE8	X				
12756236	709-1046		1	6-10/6	0YBC5/19151	X			FAB	
		S15AP16MRC1	1	6-14/1		X		X		
	442 2201	914CE2-3	1	6-15	81495/SPE	X			FAB	
13313873	709A1199		1	6-15	81495/SPE	X			FAB	
			1						X	AWAITING INFO
12626240	709 1003	600-1912	4	10-2	18108			X		
12619798	709 1222	11-2285-1	2	10-3	4A407/8R079			X		
12616822	208166	2-2486-7	2	10-3	81495			X		
12625279	709 1005	DHA1-273	4	10-5	81495			X		
12619687	706 9400	LOA-C-6-D-R1	4	10-6	02249			X		
12615350	709 1225	MD06-PDNC-AA-24	1	10-7	81495			X		
11583104	709 1097	20-920-505	2	10-8B/17	92865			X		
2627673	206606	20-100-251	1	10-10	01KU3			X		
12845473	58623	7400GA1	1	10-11/16	01KU3			X		
12978455	709 1064	HG24127(HGA24017)	1	10-12	81495			X		10%
12817919	206609	HGA5000	1	10-12	81495			X		
12633995	709 1002	600-1911	4	10-13	01KU3			X		
12685361	206309	FSL-851-108-HS2K	1	10-14	81495			X		
12616823	208165	2-2486-6	1	10-14	61125/55683			X		
12633221	709 1065	MAF 10002	1	10-15/1	8S492/04962			X		
12958794	207344	SK00013	1	10-15/1	77640			X		
12690232	709 1008	1220-001-001	1	10-16	0FA68/164Y1			X		

WORK BREAKDOWN

NIN	TEREX PART NO.	VENDOR PN	QTY	FIG/ITEM	SOURCE	COST			NOTES
						100% REPLACE	100% REBUILD	REPLACE % UPGRADE MODS	
12680247	206631	1220-635-001	1	10-16	02968/1CU74	X			
12625220	709 1059	P16-85A-ED	1	10-18	7Z016/5E074		X		
12680248	207720	15419	1	10-18	5P322/22841	X			
12630092	709A1220		1	10-19	06VZ5/3M126			10%	
12638457	709 1219		1	10-19/4	81495			10%	
10779985	362 4212	4 P50N-S	1	10-19/8	30780			10%	
12616523	709 1215	2103	1	10-19/9	0GKF8/66200	X			
12619653	709 1246		1	10-20/9	5E074/9X866			10%	
12616805	709 1221	ORFS-6-F-3M-10	1	10-20/11	5E074/9X866	X			????????TWO PIECE FILTER ????????
14810035	709 1250	941107	1	10-21/11	81495	X			
12700902	709 1062	5000D109C	1	10-25/12	0GKF8/61125		X		
12627725	706 8858	CP10387	1	10-26	9Z443		X		
12627644	207624	920078	1	10-26/2	81495	X			
12637131	207625	CP101-1-B-0-005	3	10-26/4	0ZBE8/1N8T8	X			
12682026	709 1228	FRDA-XAN-BL-10	1	10-27/8	1CU74	X			
12623138	709 1227	RPEC-FAN-ZLD	1	10-28/2	0FA68/5A886	X			
12623174	709A1231	709A1231	1	10-29	7Z016/0UD33	X			
12637238	709 1006	709 1006	1	10-31	81495		X		
12792288	207166	DH21-99	4	10-31/1	9			10%	
12619806	709 1004	61530 064047	1	10-32	62410		X		
	207189	8604-022-A07	1	10-32/2	62410			10%	
12627689	7091066	010-00003-2	1	12-2	5E074/1MOB		X		
12852911	208308	010-80003-2	1	12-2		X			
12634287	206560	010-10010-1	1	12-2/4			X		
12442095	207316	45289	2	12-2/6		X			
1437587	23518	45220	2	12-2/7		X			
12641183	206563	510-10045-1	1	12-2/16		X			
14662488	207317	M802011	2	12-2/24		X			
12853983	206555	010-10025-1	1	12-2/21	0EV39/1N8T8			10%	
14708101	207318	M802048	2	12-2/25		X			
12698719	7091007	PD7B-59020-01	2	13-2	8S492/7Z016			10%	PENDING INSPECTION
12755257	208171	61690	1	13-2	81495		X		
17913411	207414	25299	2	13-2/8	52676		X		
11701698	207415	11426	2	13-2/9	00000		X		
12679199	207428	25361	6	13-2/13	3BMD2/6N15		X		
11695432	207432	24175	6	13-2/15	19151/9J847		X		
12679156	207436	25333	3	13-2/24	7R934/7Z016		X		
12679200	207434	24914	6	13-2/25	3BMD2/9K93		X		
12683805	206618	312 9710 051	1	13-3	3CE30/79943				X
12652614	207918	391-1801032	1	13-3	22841/6W091		X		
12664270	206619	81715	1	13-5	1JX19/85492			5%	
12677956	7091063	6000A48	1	13-4	7Z016/4Y711		X	5%	
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WORK BREAKDOWN

NIIN	TEREX PART NO.	VENDOR PN	QTY	FIG/ITEM	SOURCE	COST			MODS	NOTES
						100% REPLACE	100% REBUILD	% UPGRADE		
	709 1264-54		1	7-1/5		X				
	709 1267-50		1	7-1/6		X				
	709 1265-73		1	7-1/15		X				
	709 1265-58		1	7-1/16		X				
	200B2358-20		1	9-2/11		X				
	200B2358-21		1	9-5/13		X				
	709 1270-78		2	10-1/3 *		X				
	709 1270-75		1	10-1/4		X				*14-11/25
	709 1270-99		1	10-1/5		X				
	709 1270-17		1	10-4/1		X				
	709 1270-21		1	10-4/2		X				
	709 1272-18		6	10-4/4 *		X				*10-11/2(STEERING), 14-11/32(TOOL KIT)
	709 1270-31		1	10-4/6		X				
	709 1248-51		1	10-4/8		X				
	709 1260-36		1	10-4/10		X				
	709 1260-134		1	10-4/14		X				
	709 1248-124		1	10-4/15		X				
	709 1270-16		1	10-4/28		X				
	709 1272-26		1	10-4/29		X				
	709 1272-15		2	10-4/30		X				
	709 1794-9		1	10-8B/19		X				
	709 1795-17		1	10-8B/20		X				
	709A4246-25		4	10-8B/36		X				
	1244-143		1	10-8B/38		X				
	709 1272-19		4	10-11/3		X				
	709 1270-171		1	10-11/9		X				
	709 1270-45		1	10-11/10		X				
	709 1270-136		1	10-11/17		X				
	709 1272-155		1	10-11/18		X				
	709 1270-168		1	10-11/21		X				
	709 1245-6	881-40	1	10-21/5		X				
	709 1244-11	881-24	1	10-21/10		X				
	709 1243-7	881-20	1	10-21/12		X				
	709 1247-57		1	10-22/3		X				
	709 1249-71		1	10-22/4		X				
	709 1247-45		1	10-22/6		X				
	709 1266-144		1	10-22/8		X				
	709 1265-189		1	10-22/9		X				
	709 1248-26		1	10-22/19		X				
	709 1263-51		1	10-22/21		X				
	709 1247-28		1	10-22/22		X				
	709 1264-27		1	10-22/23		X				
	709 1267-21		1	10-22/24		X				
	709 1260-139		1	10-22/27		X				
	709 1260-120		1	10-22/28		X				



