

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

1. Contract ID Code  
Firm Fixed Price

Page 1 Of 3

2. Amendment/Modification No.

P00060

3. Effective Date

2014NOV19

4. Requisition/Purchase Req No.

SEE SCHEDULE

5. Project No. (If applicable)

6. Issued By

U.S. ARMY CONTRACTING COMMAND  
ROXANNE L. DUNN  
WARREN, MICHIGAN 48397-5000  
HTTP://CONTRACTING.TACOM.ARMY.MIL

Code

W56HZV

7. Administered By (If other than Item 6)

DCMA CHICAGO  
1523 WEST CENTRAL ROAD  
BLDG 203  
ARLINGTON HEIGHTS IL 60005-2451

Code

S1403A

EMAIL: ROXANNE.L.DUNN.CIV@MAIL.MIL

8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)

CATERPILLAR INC.  
GOVERNMENTAL AND DEFENSE PRODUCTS  
14009 OLD GALENA RD TC-A  
MOSSVILLE, IL 61552-7547

9A. Amendment Of Solicitation No.

9B. Dated (See Item 11)

10A. Modification Of Contract/Order No.

W56HZV-08-D-0169

10B. Dated (See Item 13)

2008JUN06

Code 11083

Facility Code

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers

is extended,  is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:  
(a) By completing items 8 and 15, and returning \_\_\_\_\_ copies of the amendments; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. **FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.** If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting And Appropriation Data (If required)

NO CHANGE TO OBLIGATION DATA

**13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS**

It Modifies The Contract/Order No. As Described In Item 14.

- A. This Change Order is Issued Pursuant To: \_\_\_\_\_ The Changes Set Forth In Item 14 Are Made In \_\_\_\_\_  
The Contract/Order No. In Item 10A.
- B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).
- C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:
- D. Other (Specify type of modification and authority)

E. IMPORTANT: Contractor  is not,  is required to sign this document and return \_\_\_\_\_ copies to the Issuing Office.

14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

SEE SECOND PAGE FOR DESCRIPTION

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name And Title Of Signer (Type or print)		16A. Name And Title Of Contracting Officer (Type or print)	
		REYMUNDO MONCAYO REYMUNDO.MONCAYO.CIV@MAIL.MIL (586)282-7080	
15B. Contractor/Offeror	15C. Date Signed	16B. United States Of America	16C. Date Signed
_____ (Signature of person authorized to sign)		By _____ /SIGNED/ (Signature of Contracting Officer)	2014NOV19

NSN 7540-01-152-8070

30-105-02

STANDARD FORM 30 (REV. 10-83)

PREVIOUS EDITIONS UNUSABLE

Prescribed by GSA FAR (48 CFR) 53.243

**CONTINUATION SHEET****Reference No. of Document Being Continued****Page 2 of 3****PIIN/SIIN** W56HZV-08-D-0169**MOD/AMD** P00060**Name of Offeror or Contractor:** CATERPILLAR INC.

## SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: ROXANNE L. DUNN  
Buyer Office Symbol/Telephone Number: CCTA-HBF-C/(586)282-4823  
Type of Contract: Firm Fixed Price  
Kind of Contract: System Acquisition Contracts  
Type of Business: Large Business Performing in U.S.  
Surveillance Criticality Designator: C  
Contract Expiration Date: 2018JUN08

\*\*\* End of Narrative A0000 \*\*\*

1. The purpose of this modification is to update attachment 0033 warranty verbiage.
2. All other terms and conditions remain unchanged and in full force and effect.

\*\*\* END OF NARRATIVE A0058 \*\*\*

**CONTINUATION SHEET****Reference No. of Document Being Continued****Page 3 of 3****PIIN/SIIN** W56HZV-08-D-0169**MOD/AMD** P00060**Name of Offeror or Contractor:** CATERPILLAR INC.

## SECTION J - LIST OF ATTACHMENTS

<u>List of</u> <u>Addenda</u>	<u>Title</u>	<u>Date</u>	<u>Number</u> <u>of Pages</u>	<u>Transmitted By</u>
Attachment 0033	US ARMY 60 MONTH/ 1000 HOUR EXTENDED WARRANTY TERMS AND EXCLUSIONS FOR USMC	29-OCT-2014	010	

Caterpillar D6K USMC Warranty Information

1. The USMCs Caterpillar D6K is covered by an extended warranty as summarized below in the table.

USMC D6K Dozer Warranty Information

Warranted Component	Duration of Commercial Warranty	Manufacturer Responsible	Contact Information	Details of Warranty
Base Machine [1]	5 Year/1000 Hours	Caterpillar Inc.	Defense and Federal Products Phone 309-578-3295	Paragraph 1
Ground Engaging Tools (GET)	Not limited by time Through Useful Life	Caterpillar Inc.	Defense and Federal Products Phone 309-578-3295	Paragraph 2
Hawker Battery [2]	18 Months	EnerSys Hawker	660-429-2165	Paragraph 3
Solargizer [3]	12 Months	Pulse Tech	800-580-7554	Paragraph 3
Engine Emission Components [4]	5 Year/3000 Hours	Caterpillar Inc.	Defense and Federal Products Phone 309-578-3295	Paragraph 4
Armor	Contact BAE Systems	BAE	BAE 602-643-7256	Paragraph 5
Moving Undercarriage [5]	5 Years/1000 hours or 75 percent worn	Caterpillar Inc.	Defense and Federal Products Phone 309-578-3295	Paragraph 6

[1] Excluding separate warranties as shown in the table.

[2] Battery warranty is provided by EnerSys Hawker See attachment 1 warranty statement

[3] Solargizer is covered by Pulse Tech See attachment 2 warranty statement

[4] USMC Dozer Engines are EPA Certified. The Emissions Warranty applies to certain engine components. See Engine Emissions Warranty statement at Attachment 3

[5] A list of the items considered moving undercarriage is provided at Attachment 4

ADMINISTRATIVE INFORMATION

1. Warranty Start Date - Machine Registration. The date of the handoff to the unit will be the warranty start date (the Delivery Date), using the Caterpillar copy of the handoff documents. Caterpillar will then enter the warranty start date for each machine into the Caterpillar Warranty Database. Entry of the warranty start date (the Delivery Date) activates the coverage for each machine and allows any Caterpillar dealer worldwide to view the specific USMC D6K warranty coverage. This data is accessed by Caterpillar machine serial number. It is not necessary to submit any other type of warranty registration cards, etc.

2. Warranty Questions. Any questions regarding the Caterpillar warranty coverage should be directed to Caterpillar Defense and Federal Products at (309) 578-3295 or the Caterpillar Operator at (309) 675-1000, and ask for Defense and Federal Products.

3. To Obtain Warranty Service.

For Caterpillar Dealers in Continental US including Alaska and Hawaii, Norway US Military Storage Facility, US bases at Iwakuni and Okinawa Japan

1. The using unit should contact the local Caterpillar Dealer to coordinate the dealer travel to the machine to analyze the problem. The Caterpillar Dealer may request a purchase order number to cover his expenses if it is determined the problem is not covered by warranty.

Cat Dealer locations and phone numbers can be found using the "Find a Dealer" feature at the Caterpillar website, <http://www.cat.com>.

2. The Caterpillar Dealer will evaluate the problem to determine if the required repair is covered by warranty.

a. If the required repair is not covered by warranty, the dealer will contact the unit for further instructions, and the unit will be responsible for dealer expenses incurred during machine analysis.

b. If the required repair is covered by warranty, the dealer will make the repairs and submit claims to Caterpillar for reimbursement. The warranty will cover the expenses for parts, labor as defined in "Para 4. Caterpillar Responsibilities" section below. It will also cover travel and mileage or haul of the machine.

For Caterpillar Dealers Worldwide Except Continental US including Alaska and Hawaii, Norway US Military Storage Facility, US bases at Iwakuni and Okinawa Japan

(1) The using unit should contact the local Caterpillar Dealer to coordinate delivery of the machine to the dealer for analysis or provide for dealer travel to the machine for analysis. Cat Dealer locations and phone numbers can be found using the "Find a Dealer" feature at the Caterpillar website, <http://www.cat.com>.

(2) The Caterpillar Dealer will evaluate the problem to determine if the required repair is covered by warranty.

(a) If the required repair is not covered by warranty, the dealer will contact the unit for further instructions, and the unit will be responsible for dealer expenses incurred during machine analysis.

(b) If the required repair is covered by warranty, the dealer will make the repairs and submit claims to Caterpillar for reimbursement. The warranty will cover the expenses for parts, labor as defined in "para 4. Caterpillar Responsibilities" section below.

(3) The owning unit will be responsible for transporting the machine to the local Caterpillar Dealer or paying the Caterpillar Dealer for travel time and mileage expenses to get the service technician to the machine.

4. Caterpillar Responsibilities. If a defect in Caterpillar material or workmanship is found during the warranty period, Caterpillar will, during normal working hours and at a place of business of a Caterpillar dealer or other source approved by Caterpillar:

a) Provide (at Caterpillar's choice) new, remanufactured, or Caterpillar-approved repaired parts or assembled components needed to correct the defect. Items replaced under this warranty become the property of Caterpillar.

b) Replace lubricating oil, filters, antifreeze and other service items, if made unusable by the defect.

c) Provide reasonable and customary repair labor needed to correct the defect.

5. User Responsibilities.

a. Provide the Caterpillar Machine Serial Number, or Product Identification Number (PIN), which is used to determine the Delivery Date of the machine.

b. The costs associated with transporting the machine to the local Caterpillar Dealer or Caterpillar Dealer travel time and mileage expenses to get the service technician to the machine, unless covered as described in para 3 above.

c. Labor costs, except as stated under "4. Caterpillar Responsibilities".

d. Local taxes, if applicable.

e. Parts shipping charges in excess of those which are usual and customary.

f. Costs to investigate complaints, unless the problem is caused by a defect in Caterpillar material or workmanship.

g. Give timely notice of a warrantable failure and prompt access to product for repair.

h. Performance of the required maintenance (including use of proper fuel, oil, lubricants and coolant) and replacement of items due to normal wear and tear.

i. Allow Caterpillar access to all electronically stored data.

6. Limitations. Caterpillar is not responsible for failures resulting from:

- a. Any use or installation that Caterpillar judges improper.
- b. Attachments, accessory items, and parts not sold or approved by Caterpillar.
- c. Abuse, neglect, and/or improper repair.
- d. User's delay in making the product available after being notified of a potential product problem.
- e. Unauthorized repair or adjustments, and unauthorized fuel setting changes.
- f. Breakage of Ground Engaging Tools (GET) due to worn mating components or those that have been hardfaced or improperly welded.
- g. Remedies under this warranty are limited to providing parts and labor as stated above. Caterpillar is not responsible for incidental or consequential damages.

CATERPILLAR DEALERS

1. Caterpillar warranties are administered through any of our worldwide dealer organizations.
2. Cat Dealer locations and phone numbers can be found using the "Find a Dealer" feature at the Caterpillar website, <http://www.cat.com>.
3. In the event of OCONUS deployment or outside of home base area of operation, feel free to contact Caterpillar Defense and Federal Products at (309) 578-3295 for Caterpillar dealer support information for that theatre of operation.

(1) OVERALL MACHINE WARRANTY

1. General.

- a. The USMC D6K is covered by Caterpillar's material and workmanship warranty for a period of 60 months or 1000 hours, as described in the Table above.
- b. The warranty period begins on the date of the handoff to the unit. This is the Delivery Date.
- c. The Engine Emission Components Warranty information is included.

2. To Obtain Warranty Service. To obtain warranty service, follow procedures outlined above in Administrative Information.

(2) GROUND ENGAGING TOOLS (GET) WARRANTY

1. General.

- a. Caterpillar GET is covered under warranty by Caterpillar Inc.
- b. The warranty period is not limited by time and is applicable throughout the useful life of the ground engaging tools covered. GET is considered worn out when it is no longer protecting the structural surface to which the GET is mounted.

2. To Obtain Warranty Service. To obtain warranty service on GET, follow procedures outlined above in Administrative Information.

3. Specific Warranty Information.

- a. The Caterpillar GET warranty is applicable after the expiration of the standard machine warranty.
- b. After the machine warranty period, the owning unit is responsible for all labor (including welding) and hardware costs

associated with removal and installation of GET. The unit is also responsible for all transportation costs of delivering the defective GET to the dealer and pick up of the replacement GET.

(3) BATTERY & SOLAR CHARGER WARRANTY

1. General. The battery and solar charger are not covered by Caterpillar. These are covered by pass through manufacturer warranty as defined in Attachments 1 and 2.
2. To Obtain Warranty Service. To obtain warranty service on the battery and solar charger, contact the manufacturer with the contact information above.

(4) ENGINE EMISSIONS WARRANTY

The details of the Engine Emissions Warranty and the Emission Control Warranty for California are included on Attachment 3.

(5) ARMOR KIT

1. General. Armor kits are purchased separately and are not covered by the USMC Family of Dozers warranty. Technical service support, parts support and warranty support for armor kits are provided directly from the armor manufacturer, BAE Systems. This approach provides the USMC a direct line of contact with a proven leader in military armor applications and support.

For armor kit inquiries, contact the armor manufacturer, BAE Systems Land & Armaments LP.  
Contact information is:

Phone: 602-643-7256  
Website: <http://BAESYSTEMS.com>

(6) MOVING UNDERCARRIAGE

1. General.
  - a. Caterpillar Moving Undercarriage is covered under warranty by Caterpillar Inc.
  - b. The warranty period is limited to 60 months, 1000 hours or 75% worn which ever comes first.
2. To Obtain Warranty Service. To obtain warranty service on moving undercarriage , follow procedures outlined above in Administrative Information.
3. Specific Warranty Information.  
The specific undercarriage components covered by this warranty are specified in Attachment 4.

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Attachment 1

EnerSys

HAWKER  
617 N. Ridgeview Drive  
Warrensburg, MO 64093-9301, USA  
Telephone: (660) 429-2165  
[Aerodefense.sales@enersys.com](mailto:Aerodefense.sales@enersys.com)

ARMASAFE PLUS WARRANTY

The EnerSys/Hawker Armasafe Plus batteries ("Product") are warranted by EnerSys Energy Products Inc. ("EnerSys") against defects in materials and in EnerSys' workmanship for eighteen (18) months from manufacturers shipping date as indicated on the product label. EnerSys sole obligation under this warranty shall be limited to the repair or replacement of the product, in its sole discretion. Such

repair or replacement will be made only after EnerSys has examined the Product and determined, in its sole discretion, if such Product is defective in material or workmanship. To enable such EnerSys examination of Product on which a claim is made under this limited Warranty, the suspect Product should be returned to an EnerSys authorized facility pursuant to a Return Material Authorization (RMA) which can be obtained by calling EnerSys at the phone number above or by sending an email to the address above. Products that have been misused, abused, improperly stored, altered, modified and/or repaired or attempted to be repaired by anyone other than EnerSys are not covered by this limited warranty. THE WARRANTIES SET FORTH HEREIN ARE THE CUSTOMERS SOLE REMEDY AND THE ONLY WARRANTIES MADE BY ENERSYS IN CONNECTION WITH THE SALE AND DISTRIBUTION OF THE PRODUCTS, ANY AND ALL OTHER WARRANTIES STATUTORY, EXPRESS OR IMPLIED INCLUDING, BUT NOT LIMITED TO ANY AND ALL WARRANTIES OF MERCHANTABILITY AND/OR FITNESS OF THE PRODUCT FOR A PARTICULAR PURPOSE OR USE, ARE EXPRESSLY DISCLAIMED AND EXCLUDED.

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Attachment 2

PULSETECH PRODUCTS CORPORATION  
1-Year Limited Warranty

What does this warranty cover? This warranty covers any defects in workmanship or materials in the product under normal use and service.

How long does the coverage last? This warranty runs for (1) year from the date of purchase.

What will PulseTech do? PulseTech will, at its option, repair the unit or replace the unit with a re-manufactured unit at no charge.

What does this warranty not cover? This warranty applies only to the product and does not cover any other equipment, static damage, water damage, overvoltage, dropping of the unit or damage resulting from extraneous causes. The warranty is void if the owner attempts to disassemble the unit or modify the cable assembly. In addition, PulseTech will not be responsible under this warranty if PulseTech determines that (1) upon examination that the unit's failure was (A) caused by misuse, neglect, accident, alteration, or abnormal condition of operating or handling (including the failure to install the product in accordance with PulseTech's instructions and observe the warnings on the product and the instruction manual), or other conditions beyond the control of PulseTech or (B) damaged in transit to PulseTech, or (2) the owner is not the original purchaser that purchased the product through an authorized PulseTech dealer or distributor. IN NO EVENT SHALL PULSETECH BE LIABLE FOR ANY DIRECT, SPECIAL, INDIRECT, CONSEQUENTIAL, INCIDENTAL, PUNITIVE OR EXEMPLARY DAMAGES, EXPENSES, LOST SAVINGS OR LOST PROFITS OR ANY OTHER DAMAGES OF ANY KIND FROM ANY BREACH OF THIS WARRANTY OR OTHERWISE. Some states, provinces, or countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

How to get service? Send the product postage prepaid with proof of purchase (sales receipt) within the warranty period to the authorized re-seller where the product was purchased or contact PulseTech directly by calling 1-800-580-7554.

How does state, province or country law apply? This warranty gives you specific legal rights, and you may also have other rights which vary from state to state, province to province or country to country.

THIS WARRANTY IS THE SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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Attachment 3

ENGINE EMISSIONS WARRANTY

NOTE

California users must also refer to Emission Control Warranty for California.  
Emissions Warranty only applies to equipment operating and serviced in the U.S. and Canada.  
Certification tags illustrated are sample tags only and may not reflect the tags found on your machine.  
Items covered by the emission warranty are:

- Fuel injector group
- Fuel-air ratio control (FRC) and FRC boost line
- Unit injector governor group
- Fuel injector control assembly
- Turbocharger and gasket
- Intake manifold and gasket

- Exhaust manifold and gasket

2. General.

a. Caterpillar Inc. or any of its subsidiaries ("Caterpillar") warrants that certified nonroad diesel engine (powering mobile machinery) are:

(1) Designed, built, and equipped so as to conform, at the time of sale, with all applicable regulations adopted by the United States Environmental Protection Agency (EPA).

(2) Free from defects in materials and workmanship in specific emission-related parts for a period of 60 months, or 3,000 hours of operation, whichever occurs first, after the date of delivery to the first user.

b. If an emission-related part fails during the warranty period, it will be repaired, or replaced. Any such part repaired or replaced under warranty is warranted for the remainder of the warranty period.

c. The engine is certified if it has a special certification label. A Caterpillar dealer can also inform you if the engine is certified.

d. During the term of this warranty, Caterpillar will provide, through a Caterpillar dealer or other source approved by it, repair or replacement of any warranted part at no charge.

3. Responsibilities and Limitations. The warranty is subject to the following:

a. Caterpillar Responsibilities. During the emission warranty period, if a defect in material or workmanship of an emission-related part or component is found, Caterpillar will provide:

(1) New, remanufactured, or repaired parts and/or components, approved pursuant to EPA Regulations, required to correct the defect.

(2) Note: Items replaced under warranty become the property of Caterpillar.

(3) Reasonable or customary labor, during normal working hours, needed to correct the defect, including labor for removal and installation when necessary to make the repair.

b. User Responsibilities. During the emission warranty period, the user is responsible for:

(1) Providing the Caterpillar machine serial number, or Product Identification Number (PIN) which is used to determine the product Delivery Date.

(2) Premium or overtime labor costs.

(3) Costs to investigate complaints which are not caused by a defect in Caterpillar material or workmanship.

(4) Providing timely notice of a warrantable failure and promptly making the product available for repair.

(5) Performance of the required maintenance and use of proper fuel, oil, lubricants and coolant.

(6) Maintenance, replacement, or repair of the emission control devices and systems may be performed by any nonroad engine repair establishment or individual using certified nonroad engine parts.

4. Limitations.

a. Caterpillar is not responsible for resultant damages to an emission-related part of component resulting from:

(1) Any use or installation which Caterpillar judges improper.

(2) Attachments, accessory items and parts not sold or approved by Caterpillar.

(3) Abuse, neglect and/or improper engine repair.

(4) User's delay in making the product available after being notified of a potential product problem.

(5) Unauthorized repair or adjustments and unauthorized fuel setting changes.

b. This warranty is in addition to Caterpillar's standard warranty, applicable to the non-road diesel engine product involved.

c. NEITHER THE FOREGOING EXPRESS WARRANTY NOR ANY OTHER WARRANTY BY CATERPILLAR, EXPRESS OR IMPLIED, IS APPLICABLE TO ANY ITEM CATERPILLAR SELLS WHICH IS WARRANTED DIRECTLY TO THE USER BY ITS MANUFACTURER.

d. THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. REMEDIES UNDER THIS WARRANTY ARE LIMITED TO THE PROVISION OF MATERIAL AND SERVICES, AS SPECIFIED HEREIN. CATERPILLAR IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

5. Maintenance Recommendations.

a. Some Caterpillar nonroad diesel engines are certified by the United States Environmental Protection Agency (EPA) to comply with smoke and gaseous emission standards prescribed by Federal laws at the time of manufacture.

b. The engine is certified if it has a special certification label. Two types of labels that are used by Caterpillar are illustrated. A Caterpillar dealer can also inform you if the engine is certified.

c. Efficiency of emission control and engine performance depends on adherence to proper operation and maintenance recommendations AND use of recommended fuels and lubricating oils. It is recommended that major adjustments and repair be made by your authorized Caterpillar dealer.

d. Various chemical fuel additives, which claim to reduce visible smoke, are available commercially. Although additives have been used by individuals to solve some isolated smoke problems in the field, they are not recommended for general use. Federal smoke regulations require that engines be certified without smoke depressants.

e. The corrective steps taken immediately upon discovery of worn parts, which may affect emission levels, will help assure proper operation of emission control systems. The use of genuine Caterpillar parts is recommended. Suppliers of non-Caterpillar parts must assure the owner that the use of such parts will not adversely affect emission levels.

f. Regular maintenance intervals, along with special emphasis on the following items, are necessary to keep exhaust emissions within acceptable limits for the useful life of the engine. If the engine is operating under severe conditions, adjust the maintenance schedule accordingly.

g. See your authorized Caterpillar dealer to help analyze your specific application, operating environment and maintenance schedule adjustments.

h. The following is an explanation of maintenance for emission-related components.

(1) Fuel Injectors or Nozzles. Fuel injectors or nozzles are subject to tip wear as a result of fuel contamination. This damage can cause an increase in fuel consumption, the engine to emit black smoke, misfire or run rough. Inspect, test, and replace if necessary. Fuel injectors can be tested by an authorized Caterpillar dealer.

(2) Turbocharger. Check for any unusual sound or vibration in the turbocharger. Inspect inlet and exhaust piping and connections.

(3) Air/fuel Ratio Control.

(a) This component is a device to control the black smoke emission of an engine during its operation when low inlet manifold pressure exists.

(b) Slow engine response and low power may indicate a need for adjustment or repair. Your Caterpillar dealer equipped with the necessary tools, personnel, and procedures to perform this service.

(c) The owner is encouraged to keep adequate maintenance records, but the absence of such, in and of itself will not invalidate the warranty.

(d) The machine or equipment owner may perform routine maintenance, repairs and other non-warranty work or have it done at any repair facility. Such non-warranty work need not be performed at a designated warranty station in order for the warranty to remain in force.

6. Customer Assistance - Emission Control Systems Warranty.

a. Caterpillar Inc. aims to ensure that the Emission Control System warranty is properly administered. In the event that you do not receive the warranty service to which you believe you are entitled under the Emission Control Systems Warranty, call or write: Caterpillar, Manager of Warranty Systems, Peoria, IL 61629- 1250; (309) 675-4037.

b. Authorized dealers are recommended for major maintenance and repair work as they are staffed with trained personnel, proper tools and are aware of the latest maintenance methods and procedures. Owners and others who desire perform their own work should purchase a Service Manual and obtain current service information from their Caterpillar dealer.

EMISSION CONTROL WARRANTY FOR CALIFORNIA

1. Owner Warranty Rights and Obligations.

a. The California Air Resources Board (CARB) and Caterpillar are pleased to explain the emission control system warranty on your 2000 or later certified heavy-duty off-road diesel engine. The engine is certified if it has a special certification label. Two types of labels that are used by Caterpillar are shown on previous pages. A Caterpillar dealer can also inform you if the engine is certified.

b. In California, new heavy duty off-road diesel engines must be designed, built, and equipped to meet the state's stringent anti-smog standards. Caterpillar must warrant the emission control system on your engine for the duration of time listed below provided there has been no abuse, neglect, or improper maintenance on your engine.

c. Your emission control system may include parts such as the fuel injection system, air induction system, and engine computer, if equipped. Also included may be hoses, connectors, clamps, and other emission-related components.

d. Where a warrantable condition exists, Caterpillar will repair the heavy duty off-road diesel engine at no cost to the owner including diagnosis, parts, and labor.

2. Manufacturer's Warranty Coverage.

a. The emissions warranty period for new heavy duty off-road diesel engines is a duration of 60 months, or 3,000 hours of operation, whichever occurs first after date of delivery to the initial owner.

b. If an emission-related part or component on your diesel engine is defective, the part or component will be repaired, or replaced by Caterpillar. This is your emission control system WARRANTY.

c. This warranty covers the following emission-related parts and components:

- (1) Charge Air Cooling System (if equipped)
- (2) Fuel Injection System
- (3) Intake Manifold
- (4) Exhaust Manifold
- (5) Turbocharger System
- (6) Air-Fuel Ratio Control System
- (7) Electronic Control Module including Sensors and Personality Module (if equipped)
- (8) Miscellaneous hoses, clamps, connectors and sealing devices used in the above systems.

d. Any replacement part may be used for maintenance or repairs. The owner should ensure that such parts are equivalent in design and durability to genuine Caterpillar parts. Use of non-genuine Caterpillar parts does not invalidate the warranty. However, Caterpillar is not liable for parts that are not genuine Caterpillar parts.

3. Owner's Warranty Responsibilities.

a. As the heavy-duty off-road diesel engine owner, you are responsible for the performance of the required maintenance listed in the owner's manual (Operation and Maintenance Manual). Caterpillar recommends that you retain records covering the maintenance on your engine, but cannot deny warranty solely for lack of receipts and records for failure to ensure the performance of all scheduled maintenance.

b. As the heavy duty off-road diesel engine owner, you should also be aware that Caterpillar may deny you warranty coverage

if your heavy duty off-road diesel engine, or an emission components, or part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

Your engine is designed to operate on commercial diesel fuel only. Use of any other fuel may result in your engine no longer operating in compliance with California's emission requirements.

c. You are responsible for contacting your Caterpillar dealer as soon as any engine problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

d. If you have questions regarding your warranty rights and responsibilities contact: Caterpillar Manager, Warranty Operations, Peoria, IL 61629-1250, phone: (309) 675-4037 or California Air Resources Board (CARB), 9528 Telstar Ave., El Monte, CA 91731.

Attachment 4  
Moving Undercarriage Warranty

The nonmoving undercarriage is covered for 60 months or 1000 hours, whichever occurs first. The moving undercarriage (see below for details of parts considered moving undercarriage) is covered for 60 months, 1000 hours or 75% worn whichever occurs first.

Track Group 334-3856

Ref	Qty	NPR Note	Part No.	Req Qty	Part Name:
Grp			334-3586		Track GP - 2 Required, SYSTEMONE
1		<u>NPR</u>	235-2554	40	Shoe - Track
2		<u>NPR</u>	318-2486	2	Link - Track Master
3		<u>NPR</u> Y	311-6644	1	Link As - Track (Systemone)
4		<u>NPR</u> M	238-0472	156	Bolt - Track (M18X1.5x59-MM, Systemone)
5		<u>NPR</u> M	238-0473	156	Nut - Track (M18.x1.5-THD, Systemone)
6		<u>NPR</u>	254-0227	4	Bolt - Track Master (M18x1.5x93-MM, Systemone)

Idler Group - Track 239-8211

Ref.	Qty	NPR Note	Part No.	Req. Qty	Part Name:
Grp		<u>NPR</u>	239-8211		Idler GP- TrackSystemone1
		<u>NPR</u>	9W-2146	1	Plug
2		<u>NPR</u>	148-3533	2	Seal GP - Duo - Cone
		<u>NPR</u>	160-6631	2	Ring - Toric
3		<u>NPR</u>	243-5322	1	Idler As
4		<u>NPR</u>	248-5327	1	Shaft
5		<u>NPR</u>	251-8512	2	Dowel
6		<u>NPR</u>	271-5950	2	Bearing
7		<u>NPR</u>	7F-8267	2	Seal - O - Ring

Segment Group - Sprocket 252-9136

Ref.	Qty	NPR Note	Part No.	Req. Qty	Part Name:
Grp		<u>NPR</u>	252-9136		Segment GP - Sprocket
1		<u>NPR</u>	3S-8182	27	Bolt (5/8-18x1.84 IN)
2		<u>NPR</u>	255-8095	1	Sprocket - Track
3		<u>NPR</u>	7H-3607	27	Nut (5/8-18-THD)

Roller Group - Track 240-8933

Ref.	Qty	NPR Note	Part No.	Req. Qty	Part Name:
Grp		<u>NPR</u>	240-8933		Roller GP - Track - Systemone
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Roller Group - Track Carrier 375-6431

Ref.	Qty	NPR Note	Part No.	Req. Qty	Part Name:
Grp		<u>NPR</u>	375-6431		Roller GP- Track Carrier
1		<u>NPR</u>	8P-6188	1	Plate - Retainer
2		<u>NPR</u>	7H-3171	1	Plug - Pipe
3		<u>NPR</u>	9W-5224	1	Seal GP - Duo - Cone
4		<u>NPR</u>	217-6359	1	Collar
5		<u>NPR</u>	241-8494	2	Bearing As - Tapered Roller
6		<u>NPR</u>	192-4744	2	Bolt (M10x1.5x20 - MM)
7		<u>NPR</u>	362-0514	1	Shaft