



**EXTENDED  
POWERTRAIN  
COVERAGE**

CERTIFICATE  
OF GUARANTEE

FOR CATERPILLAR MACHINE:

*12M3 ARO*

REGISTERED MODEL

*N9F01204*

SERIAL NUMBER

*04/18/2019*

DATE OF ORIGINAL DELIVERY

ISSUED TO:

*MADISON COUNTY BOARD OF  
SUPERVISORS*

*CANTON, MS*

*PMC AUTHORIZED SIGNATURE*



**Puckett Machinery Company  
PO Box 321033  
100 Caterpillar Drive  
Flowood, MS 39232**

I understand and agree with the stated  
EXTENDED POWERTRAIN COVERAGE  
provisions and limitations:

*MADISON COUNTY BOARD OF  
SUPERVISORS*

COMPANY

AUTHORIZED SIGNATURE

DATE

# THE PUCKETT EXTENDED POWERTRAIN COVERAGE

**Puckett Machinery Company (PMC)** provides the following guarantees on this registered Caterpillar machine from date of delivery as a new unit until 1) the machine has been operated for a total of **5,000 hours**, or 2) **60 months**, whichever occurs first from the date of delivery as a new unit. These guarantees are over and above the applicable Caterpillar standard warranty and run concurrent with your Powertrain EPP.

## EXTENDED POWERTRAIN WARRANTY

**PMC** covers the powertrain components listed below to be free from defects in material or workmanship under normal use and service, from the date of original delivery until the SMU limits and/or time period is exceeded as outlined above:

- Engine (excluding radiator, fan, fan drive accessories, power take-off, alternator, starter, compressors, hydraulics pumps, and other attachments)
- Torque Converter
- Transmission
- Hydrostatic Power Control Unit
- Drive Shafts and Universal Joints
- Differentials
- Transfer Gear Group
- Drive Axles
- Drive Pumps and Drive Motors
- Pinion and Bevel Gear
- Steering Clutches and Steering Brakes
- Final Drive Gear Trains (up to, but not including, the sprockets)
- *Certain 'Emissions Module' related components*

This warranty is limited to the repair or replacement (including both Parts and Labor) of parts **PMC** shall determine upon inspection to have been defective in material or workmanship. *All repairs performed under this extended coverage must be performed at a **PMC** facility. This coverage does not include transportation costs to and from a **PMC** facility.* This coverage is not applicable to normal maintenance service (such as tune-ups) or **normal replacement of service or wear items.**

In order for this coverage to be applicable, it is mandatory that reasonable maintenance and operation practices regarding lubrication, oil and filter changes, etc., be followed as outlined in the **Caterpillar** Operation and Maintenance Manuals. It is your responsibility to take fluid samples at intervals specified in the **PMC** SOS Guide. A minimum of one sample from each compartment every three months is required. The oil samples are to be returned to **PMC** for analysis. Failure to submit oil samples as required makes

*this extended coverage subject to termination without notice.* You must follow **PMC** recommendations regarding shutdown and repair of the machine under this coverage. Should it be found at any time during the coverage period that reasonable maintenance and operation practices are not being followed, this coverage will be considered void.

## GENERAL CONDITIONS AND LIMITATIONS

The following conditions and limitations apply to all guarantees:

1. Replacement parts and repairs made by **PMC** shall not extend the stated coverage period.
2. The registered machine may not be altered or modified in any manner which affects the mechanical operation of the unit as designed by **Caterpillar Inc.** except by **PMC**.
3. **PMC** shall not be obligated to make repairs necessitated by misuse, abuse, accident, negligence, or use of the machine beyond **Caterpillar Inc.'s** rated capacity.
4. This coverage shall not be applicable to substantial machine damage or total loss due to collision, accident, flood, fire, vandalism, or similar occurrence.
5. Machine repair requests must occur during **PMC's** normal working hours.
6. This coverage shall not be applicable to delays caused by acts of God, war or civil disturbances, strikes, or other labor disputes (whether involving **PMC** or any other party), failure of normal transportation means, or any other circumstances beyond **PMC's** control.
7. Neither shall this coverage be applicable to auxiliary manufactured attachments that were installed on the Caterpillar prime product, but manufactured by an OEM supplier for a special application whether installed by **PMC** or the end user.
8. **Caterpillar Inc.** conducts Product Improvement Programs to improve machines sold to users. In the event the registered machine is subject to such a program, this coverage will not apply to that improvement, however, **PMC** will endeavor to schedule such product improvements at the user's convenience.

REMEDIES UNDER THIS COVERAGE ARE LIMITED TO PROVISIONS OF REPLACEMENT PARTS AND REPAIRS SPECIFICALLY PROVIDED. **PMC** SHALL IN NO EVENT BE LIABLE FOR ANY OTHER LOSSES, DAMAGES, COSTS, OR EXPENSES CLAIMED BY THE USER, INCLUDING, BUT NOT LIMITED TO, LOSS FROM FAILURE OF THE MACHINE TO OPERATE FOR ANY PERIOD OF TIME, AND ALL OTHER DIRECT, INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL DAMAGES, INCLUDING ALL PERSONAL INJURY AND PROPERTY DAMAGE DUE TO ALLEGED NEGLIGENCE, STRICT LIABILITY OR ANY OTHER LEGAL THEORY WHATSOEVER. THE COVERAGE IS IN LIEU OF ALL OTHER WARRANTIES BY **PMC** WHETHER EXPRESSED OR IMPLIED BY LAW. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, **PMC** MAKES NO WARRANTY OF THE MERCHANTABILITY OR FITNESS OF THE MACHINE FOR ANY PARTICULAR PURPOSE.

**Puckett****Customer Copy**

04/19/2019

P. O. Box 321033  
Flowood, MS 39232MADISON COUNTY BOARD  
OF SUPERVISORS  
ATTN: CORNELIUS BACON  
PO BOX 608 \*A/P DEPT\*  
CANTON MS 39046-0608MACHINE: CATERPILLAR  
MOTOR GRADER  
MODEL: 12M3 ARO  
SERIAL NO.:N9F01204  
ORIGINAL DELIVERY DATE: 04/18/2019

DEAR MR. BACON,

We appreciate your decision to Purchase a machine from Puckett Machinery Company. This investment in your business is important and we want to make sure you receive all the value that the machine and Puckett Machinery Company have to offer. This letter explains one of the most important features of your purchase - the warranty.

Your machine carries the following warranty:

- \* Standard Machine Warranty (Expires 04/17/2020).
- \* Extended Powertrain Coverage (Expires 04/17/2024 or until the machine has been operated for a total of 05000 hours, whichever comes first).

The statements with details of the warranty are attached. Please read them carefully and keep them with other documents related to your machine. Some other important items that need to be pointed out are:

#### Oil Sampling Requirements

Oil sampling is to be done by you according to the manufacturer's recommended intervals. The oil sample bottles with a prepaid mailer and sampling guns with tubing are available at a nominal price from any Puckett Machinery Company Parts Department. The samples from each oil fill compartment should be sent to Puckett Machinery Company for analysis where trends will be recorded and you will be notified of any action that needs to be taken. Oil sampling is required by the manufacturer if you have an Extended Coverage. Failure to oil sample while your machine is in coverage may invalidate any future warranty claims for your machine.

#### Travel Time and Mileage for Field Service Warranty Repairs

#### Puckett Machinery Company

PO Box 321033  
100 Caterpillar Dr.  
Flowood, MS 39232  
601.969.6000 tel  
601.969.1339 fax  
[www.puckettmachinery.com](http://www.puckettmachinery.com)

**Puckett**



In addition to the terms of standard warranty, Puckett Machinery Company will provide you with free travel time and mileage for the first three months after delivery to perform warranty repairs at your jobsite. After that, it is your option to bring the machine into one of our shops or pay the travel time and mileage for an onsite repair.

#### Overtime Warranty Repairs

If you request a warranty repair outside of our normal working hours the difference between our normal rate and our overtime rate (10.00 per hour) will be your responsibility and will be charged to you. Please schedule any needed repairs with the Service Manager at the closest Puckett Machinery Company store.

If you have any questions about the warranty on your machine, please contact the Service Manager at one of our stores. They will be glad to assist you in any way.

Sincerely,

PUCKETT MACHINERY COMPANY

A handwritten signature in black ink that reads "Hastings Puckett". The signature is written in a cursive, slightly slanted style.

Hastings Puckett  
President

DZ/ph

Attachments:  
Warranty Statement(s)  
Oil Sample Letter

**Puckett Machinery Company**

PO Box 321033  
100 Caterpillar Dr.  
Flowood, MS 39232  
601.969.6000 tel  
601.969.1339 fax  
[www.puckettmachinery.com](http://www.puckettmachinery.com)

Effective with sales to the first user on or after January 1, 2018

# CATERPILLAR LIMITED WARRANTY

Earthmoving, Construction, Material Handling, Forestry and Paving Machines

## Worldwide

Caterpillar Inc. or any of its subsidiaries ("Caterpillar") warrants the following new products sold by it to be free from defects in material and workmanship:

- Earthmoving, construction, material handling, forestry and paving machines (except as listed below).
- Attachments/work tools installed on such machines prior to delivery (unless covered by the Cat® Work Tool warranty statement or another manufacturer's warranty). Hammer tool points and compacting plates used on hydraulic hammers are not warranted.

Additional warranties are applicable against breakage for certain Cat Ground Engaging Tools and for wear on all landfill compactor tips. Refer to the applicable warranty statements for coverage detail.

This warranty does not apply to:

- Cat Batteries
- Mobil-trac belts, rubber tracks used on multi terrain loaders, compact track loaders, and mini hydraulic excavators
- Cat Work Tools
- 424 Backhoe Loaders, 216 and 226 Skid Steer Loaders, and 320 Excavators sold in India
- Prentice brand forestry machines
- Longwall mining machines
- 785, 789, 793, 794, 795, 797 Off-Highway Truck models sold in regions other than the Commonwealth of Independent States ("CIS")
- 24 Motor Grader models sold in regions other than the CIS
- 854, 992, 993, 994 Wheel Loader models sold in regions other than CIS
- Cat Utility Vehicles (UTV)
- Compact Construction Equipment including Compact Track & Multi Terrain Loaders, Mini Hydraulic Excavators, and Skid Steer Loaders sold in USA or Canada.

These products are covered by other Caterpillar warranties.

This warranty is subject to the following:

### Warranty Period

For new machines and work tools/attachments the warranty period is 12-months/unlimited hours, starting from date of delivery to the first user.

### Note:

- For hydraulic line's quick connect/disconnect components sold on compact wheel loaders, mini hydraulic excavators, skid steer loaders, multi terrain loaders, and compact track loader machines, the warranty period is 50 hours starting from the date of delivery to the first user.
- For Draglines, Electric Rope Shovels, Hard Rock Movers, Hard Rock Feeders, Hard Rock Miners, Hard Rock Conveyors, Hard Rock Roof Supports; the warranty period is not to exceed 24 months from shipment of the last major component from the Caterpillar place of manufacture.

### Caterpillar Responsibilities

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

- Provide (at Caterpillar's choice) new, remanufactured, or Caterpillar approved repaired parts or assembled components needed to correct the defect.

**Note:** New, remanufactured, or Caterpillar approved replacement parts provided under the terms of this warranty are warranted for the remainder of the warranty period applicable to the product in which installed as if such parts were original components of that product. Items replaced under this warranty become the property of Caterpillar.

- Replace lubricating oil, filters, antifreeze, and other service items made unusable by the defect.
- Provide reasonable and customary labor needed to correct the defect.

### User Responsibilities

The user is responsible for:

- Providing proof of delivery date to the first user.
- Labor costs, except as stated under "Caterpillar Responsibilities."
- Transportation costs, except as stated under "Caterpillar Responsibilities."
- Premium or overtime labor costs.
- Parts shipping charges in excess of those that are considered usual and customary.
- Local taxes, if applicable.
- Costs to investigate complaints, unless the problem is caused by a defect in Caterpillar material or workmanship.
- Giving timely notice of a warrantable failure and promptly making the product available for repair.
- Performance of the required maintenance (including use of proper fuel, oil, lubricants, and coolant) and items replaced due to normal wear and tear.
- Allowing Caterpillar access to all electronically stored data.

### Limitations

Caterpillar is not responsible for:

- Failures resulting from any use or installation that Caterpillar judges improper.
- Failures resulting from attachments, accessory items, and parts not sold or approved by Caterpillar.
- Failures resulting from abuse, neglect, and/or improper storage or repair.
- Failures resulting from user's delay in making the product available after being notified of a potential product problem.
- Failures resulting from unauthorized repair or adjustments, and unauthorized fuel setting changes.

continued...

This warranty covers every major component of the products. Claims under this warranty should be submitted to a place of business of a Cat dealer or other source approved by Caterpillar. For further information concerning either the location to submit claims or Caterpillar as the issuer of this warranty, write Caterpillar Inc., 100 N. E. Adams St., Peoria, IL USA 61629, telephone 1 (309) 675-1000, or go to URL [www.cat.com](http://www.cat.com), Find Your Dealer

Caterpillar's obligations under this Limited Warranty are subject to, and shall not apply in contravention of, the laws, rules, regulations, directives, ordinances, orders, or statutes of the United States, or of any other applicable jurisdiction, without recourse or liability with respect to Caterpillar.

*A) For products operating outside of Australia, Fiji, Nauru, New Caledonia, New Zealand, Papua New Guinea, the Solomon Islands, and Tahiti, the following is applicable:*

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

**THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EXCEPT CATERPILLAR EMISSION-RELATED COMPONENTS WARRANTY FOR NEW ENGINES, WHERE APPLICABLE. 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.**

**CATERPILLAR EXCLUDES ALL LIABILITY FOR OR ARISING FROM ANY NEGLIGENCE ON ITS PART OR ON THE PART OF ANY OF ITS EMPLOYEES, AGENTS, OR REPRESENTATIVES IN RESPECT OF THE MANUFACTURE OR SUPPLY OF GOODS OR THE PROVISION OF SERVICES RELATING TO THE GOODS.**

**IF OTHERWISE APPLICABLE, THE VIENNA CONVENTION ON CONTRACTS FOR THE INTERNATIONAL SALE OF GOODS IS EXCLUDED IN ITS ENTIRETY.**

*B) For products operating in Australia, Fiji, Nauru, New Caledonia, New Zealand, Papua New Guinea, the Solomon Islands, and Tahiti, the following is applicable:*

**THIS WARRANTY IS IN ADDITION TO WARRANTIES AND CONDITIONS IMPLIED BY STATUTE AND OTHER STATUTORY RIGHTS AND OBLIGATIONS THAT BY ANY APPLICABLE LAW CANNOT BE EXCLUDED, RESTRICTED OR MODIFIED ("MANDATORY RIGHTS"). ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED (BY STATUTE OR OTHERWISE), ARE EXCLUDED, WITHOUT LIMITING THE FOREGOING PROVISIONS OF THIS PARAGRAPH, WHERE A PRODUCT IS SUPPLIED FOR BUSINESS PURPOSES, THE CONSUMER GUARANTEES UNDER THE CONSUMER GUARANTEES ACT 1993 (NZ) WILL NOT APPLY.**

**NEITHER THIS WARRANTY NOR ANY OTHER CONDITION OR WARRANTY BY CATERPILLAR, EXPRESS OR IMPLIED (SUBJECT ONLY TO THE MANDATORY RIGHTS), IS APPLICABLE TO ANY ITEM CATERPILLAR SELLS THAT IS WARRANTED DIRECTLY TO THE USER BY ITS MANUFACTURER.**

**IF THE MANDATORY RIGHTS MAKE CATERPILLAR LIABLE IN CONNECTION WITH SERVICES OR GOODS, THEN TO THE EXTENT PERMITTED UNDER THE MANDATORY RIGHTS, THAT LIABILITY SHALL BE LIMITED AT CATERPILLAR'S OPTION TO (a) IN THE CASE OF SERVICES, THE SUPPLY OF THE SERVICES AGAIN OR THE PAYMENT OF THE COST OF HAVING THE SERVICES SUPPLIED AGAIN AND (b) IN THE CASE OF GOODS, THE REPAIR OR REPLACEMENT OF THE GOODS, THE SUPPLY OF EQUIVALENT GOODS, THE PAYMENT OF THE COST OF SUCH REPAIR OR REPLACEMENT OR THE ACQUISITION OF EQUIVALENT GOODS.**

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**CATERPILLAR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES UNLESS IMPOSED UNDER MANDATORY RIGHTS.**

**IF OTHERWISE APPLICABLE, THE VIENNA CONVENTION (CONTRACTS FOR THE INTERNATIONAL SALE OF GOODS) IS EXCLUDED IN ITS ENTIRETY.**

*C) For products supplied in Australia:*

**IF THE PRODUCTS TO WHICH THIS WARRANTY APPLIES ARE:**

- I. PRODUCTS OF A KIND ORDINARILY ACQUIRED FOR PERSONAL, DOMESTIC OR HOUSEHOLD USE OR CONSUMPTION; OR**
- II. PRODUCTS THAT COST AUD 40,000 OR LESS,**

**WHERE THOSE PRODUCTS WERE NOT ACQUIRED FOR THE PURPOSE OF RE-SUPPLY OR FOR THE PURPOSE OF USING THEM UP OR TRANSFORMING THEM IN THE COURSE OF PRODUCTION OR MANUFACTURE OR IN THE COURSE OF REPAIRING OTHER GOODS OR FIXTURES, THEN THIS SECTION C APPLIES.**

**THE FOLLOWING MANDATORY TEXT IS INCLUDED PURSUANT TO THE AUSTRALIAN CONSUMER LAW AND INCLUDES REFERENCES TO RIGHTS THE USER MAY HAVE AGAINST THE DIRECT SUPPLIER OF THE PRODUCTS: OUR GOODS COME WITH GUARANTEES THAT CANNOT BE EXCLUDED UNDER THE AUSTRALIAN CONSUMER LAW. YOU ARE ENTITLED TO A REPLACEMENT OR REFUND FOR A MAJOR FAILURE AND COMPENSATION FOR ANY OTHER REASONABLY FORESEEABLE LOSS OR DAMAGE. YOU ARE ALSO ENTITLED TO HAVE THE GOODS REPAIRED OR REPLACED IF THE GOODS FAIL TO BE OF ACCEPTABLE QUALITY AND THE FAILURE DOES NOT AMOUNT TO A MAJOR FAILURE. THE INCLUSION OF THIS TEXT DOES NOT CONSTITUTE ANY REPRESENTATION OR ACCEPTANCE BY CATERPILLAR OF LIABILITY TO THE USER OR ANY OTHER PERSON IN ADDITION TO THAT WHICH CATERPILLAR MAY HAVE UNDER THE AUSTRALIAN CONSUMER LAW.**

**TO THE EXTENT THE PRODUCTS FALL WITHIN THIS SECTION C BUT ARE NOT OF A KIND ORDINARILY ACQUIRED FOR PERSONAL, DOMESTIC OR HOUSEHOLD USE OR CONSUMPTION, CATERPILLAR LIMITS ITS LIABILITY TO THE EXTENT IT IS PERMITTED TO DO SO UNDER THE AUSTRALIAN CONSUMER LAW TO, AT ITS OPTION, THE REPAIR OR REPLACEMENT OF THE PRODUCTS, THE SUPPLY OF EQUIVALENT PRODUCTS, OR THE PAYMENT OF THE COST OF SUCH REPAIR OR REPLACEMENT OR THE ACQUISITION OF EQUIVALENT PRODUCTS.**

**THE WARRANTY SET OUT IN THIS DOCUMENT IS GIVEN BY CATERPILLAR INC. OR ANY OF ITS SUBSIDIARIES, 100 N. E. ADAMS ST, PEORIA, IL USA 61629, TELEPHONE 1 309 675 1000, THE USER IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH MAKING A CLAIM UNDER THE WARRANTY SET OUT IN THIS DOCUMENT, EXCEPT AS EXPRESSLY STATED OTHERWISE IN THIS DOCUMENT, AND THE USER IS REFERRED TO THE BALANCE OF THE DOCUMENT TERMS CONCERNING CLAIM PROCEDURES, CATERPILLAR RESPONSIBILITIES AND USER RESPONSIBILITIES.**

**TO THE EXTENT PERMISSIBLE BY LAW, THE TERMS SET OUT IN THE REMAINDER OF THIS WARRANTY DOCUMENT (INCLUDING SECTION B) CONTINUE TO APPLY TO PRODUCTS TO WHICH THIS SECTION C APPLIES.**

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CAT, CATERPILLAR, their respective logos, "Caterpillar Yellow," the "Power Edge" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.



RE: Oil Sampling Requirement to Maintain Your Machine's Extended Coverage

Dear Customer:

Caterpillar requires that all new machines which carry any Extended Coverage Program be enrolled in a dealer Scheduled Oil Sampling (SOS) program. If you elect not to enroll your machine in our SOS program then we cannot guarantee you that your claim will be covered by Caterpillar under warranty.

Attached is a page from a Caterpillar Maintenance Guide that further describes Scheduled Oil Sampling and the recommended intervals that samples be taken. Notice that there are only two hourly intervals that have to be remembered; 250 hours for the engine and 500 hours for the transmission, hydraulic system and final drives.

Most of the hourly intervals that oil samples are required are also normal maintenance intervals for those same systems. Therefore, if you are performing that maintenance, then taking oil samples only requires a few more minutes. The following are recommended oil sampling intervals for each compartment:

- Engine                      Every 250 hours
- Transmission            Every 500 hours
- Hydraulic System        Every 500 hours
- Final Drives              Every 500 hours

Please contact your nearest Puckett Machinery Parts Department for the required oil sample bottles. They can also sell you an inexpensive oil sample gun for pulling the oil samples. This is the preferred method, instead of catching drain oil, because it reduces the chance of contaminating the sample with outside dirt. It is also the easiest method to pull oil samples at the intervals when the oil will not be drained.

It has been proven many times that oil samples, taken on a regular basis, can predict failures before they occur. This can reduce repair costs and downtime. That is why Caterpillar made Scheduled Oil Sampling a requirement for only Extended Machine Coverage.

To enroll your machine in our SOS program, simply send us an oil sample in the required bottle from each compartment above. Then continue to send us samples at the oil and filter change intervals specified. Be sure to properly fill out the labels that come with the oil sample bottles.

If you have any questions please contact your nearest Puckett Machinery Company Service Manager.

Thank you,

Puckett Machinery Company

Hastings Puckett  
President

Jackson  
3263 Highway 80 West  
P.O. Box 3170  
Jackson, MS 39207  
(601) 969-6000

Gulfport  
Highway 49 North  
P.O. Box 2579  
Gulfport, MS 39503  
(601) 832-1711

Natchez  
Highway 61 North  
P.O. Box 883  
Natchez, MS 39120  
(601) 442-1833

Meridian  
1324 Grand Avenue  
Meridian, MS 39301  
(601) 483-4511

Hattiesburg  
6751 U.S. Highway 49  
P.O. Box 1568  
Hattiesburg, MS 39401  
(601) 268-2000

Brookhaven  
1003 Highway 51 North  
Brookhaven, MS 39601  
(601) 833-5115

## Scheduled Oil Sampling (S.O.S)

Use Scheduled Oil Sampling (S.O.S) to monitor the condition and maintenance requirements of your equipment. Each oil sample should be taken when the oil is warm and well mixed to ensure that the sample is representative of the oil in the compartment.

### Obtain S.O.S. Samples

To compliment a good preventive maintenance program Caterpillar recommends using S.O.S at regular scheduled intervals to monitor the condition and maintenance requirements of your equipment. Each oil sample should be taken when the oil is warm and well mixed to ensure that the sample is representative of the oil in the compartment.

There are several methods used to obtain S.O.S samples.

- \* Use a sampling gun inserted into the sump.
- \* Use a valve installed for samples.
- \* Use the drain stream when changing oil.

NOTE: Caterpillar recommends using the first or second method. If these methods are not feasible, then use the drain stream.

When using the drain stream to obtain the oil sample, do not sample from the first or final draining. The oil at the beginning or end of the drain stream is not mixed well enough to be representative of the oil in the compartment.

### S.O.S Analysis

S.O.S is composed of three basic tests:

- \* Wear Analysis
- \* Chemical and Physical Tests
- \* Oil Condition Analysis

Wear element analysis uses spectrophotometry to monitor component wear by identifying and measuring concentrations in parts per million of wear elements present in the oil. Impending failures can be identified when test results deviate from concentration levels established as acceptable, based on normal wear.

Chemical and physical tests detect the presence of water, fuel and glycol (antifreeze) in the oil.

Oil condition is evaluated with infrared analysis. This test determines the presence and measures the amount of soot, sulfur products, oxidation, and nitration products in the oil. Infrared analysis can also assist in customizing (reducing, maintaining or extending) oil change intervals for particular conditions and applications.

Infrared analysis should always be accompanied by wear element analysis and chemical and physical tests to assure accurate diagnosis.

<b>S.O.S Interval Chart</b>	
Compartment	Interval
Engine Oil	250 Hours
Transmission Oil	500 Hours
Hydraulic Oil	500 Hours
Final Drive Oil	500 Hours

The transmission oil system contains oil common to the torque converter.

Consult your Caterpillar dealer for complete information and assistance in establishing a Scheduled Oil Sampling program for your equipment.





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COVERAGE**

**CERTIFICATE  
OF GUARANTEE**

**FOR CATERPILLAR MACHINE:**

*12M3 ARO*

**REGISTERED MODEL**

*N9F01204*

**SERIAL NUMBER**

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**DATE OF ORIGINAL DELIVERY**

**ISSUED TO:**

*MADISON COUNTY BOARD OF  
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*CANTON, MS*

**PMC AUTHORIZED SIGNATURE**



**Puckett Machinery Company  
PO Box 321033  
100 Caterpillar Drive  
Flowood, MS 39232**

I understand and agree with the stated  
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8. **Caterpillar Inc.** conducts Product Improvement Programs to improve machines sold to users. In the event the registered machine is subject to such a program, this coverage will not apply to that improvement, however, **PMC** will endeavor to schedule such product improvements at the user's convenience.

REMEDIES UNDER THIS COVERAGE ARE LIMITED TO PROVISIONS OF REPLACEMENT PARTS AND REPAIRS SPECIFICALLY PROVIDED. **PMC** SHALL IN NO EVENT BE LIABLE FOR ANY OTHER LOSSES, DAMAGES, COSTS, OR EXPENSES CLAIMED BY THE USER, INCLUDING, BUT NOT LIMITED TO, LOSS FROM FAILURE OF THE MACHINE TO OPERATE FOR ANY PERIOD OF TIME, AND ALL OTHER DIRECT, INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL DAMAGES, INCLUDING ALL PERSONAL INJURY AND PROPERTY DAMAGE DUE TO ALLEGED NEGLIGENCE, STRICT LIABILITY OR ANY OTHER LEGAL THEORY WHATSOEVER. THE COVERAGE IS IN LIEU OF ALL OTHER WARRANTIES BY **PMC** WHETHER EXPRESSED OR IMPLIED BY LAW. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, **PMC** MAKES NO WARRANTY OF THE MERCHANTABILITY OR FITNESS OF THE MACHINE FOR ANY PARTICULAR PURPOSE.

# Federal Emission Control Warranty



Caterpillar Inc. (Caterpillar) warrants to the ultimate purchaser and each subsequent purchaser that new non-road diesel engines and stationary diesel engines less than 10 liters per cylinder (including Tier 1 and Tier 2 marine engines < 37 kW, but excluding locomotive and other marine engines) operated and serviced in the United States and Canada, including all parts of their emission control systems ("emission related components"), are:

1. Designed, built, and equipped so as to conform, at the time of sale, with applicable emission standards prescribed by the United States Environmental Protection Agency (EPA) by way of regulation.
2. Free from defects in materials and workmanship in emission related components that can cause the engine to fail to conform to applicable emission standards for the warranty period.

## Warranty Period

The warranty period shall be the period of years or hours of operation specified in the following table, whichever occurs first, after the engine is first placed into service.

Variable speed or constant speed	kW < 19	Any speed	1,500 hours or two years
Constant speed	19 < kW < 37	3,000 rpm or higher	1,500 hours or two years
Constant speed	19 < kW < 37	Less than 3,000 rpm	3,000 hours or five years
Variable speed	19 < kW < 37	Any speed	3,000 hours or five years
Variable speed or constant speed	kW > 37	Any speed	3,000 hours or five years

Any warranted part that is scheduled for replacement as required maintenance is warranted for the period of time prior to the first scheduled replacement point for that part.

Any part repaired or replaced under warranty is warranted for the remainder of the warranty period.

## Warranty Coverage

This Emission Control Warranty covers:

- All components whose failure would increase the engine's emissions of any pollutant, including any engine parts related to the following systems:
  1. Air-induction system
  2. Fuel system
  3. Ignition system
  4. Exhaust gas recirculation systems
- The following parts are also covered:
  1. Aftertreatment devices
  2. Crankcase ventilation valves
  3. Sensors
  4. Electronic control units
- Components whose only purpose is to reduce emissions or whose failure will increase emissions without significantly degrading engine performance.
- Components from any other system developed to control emissions.



This Emission Control Warranty does not cover components whose failure would not increase the engine's emissions of any pollutant.

## Caterpillar Responsibilities

During the warranty period, if a defect in materials or workmanship is found in an emission related component that can cause the engine to fail to conform to applicable emission standards, Caterpillar will provide the following at no charge through a Cat dealer or other source approved by Caterpillar:

- New, remanufactured, or repaired components (at Caterpillar's choice) required to correct the defect. Note: emission related components replaced under warranty become the property of Caterpillar.
- 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.

In an emergency, repairs may be performed at any service establishment, or by the user. Caterpillar will reimburse the user for their expenses including diagnostic charges for such emergency repair. These expenses shall not exceed Caterpillar's suggested retail price for all warranted emission related components replaced, and labor charges based on Caterpillar's recommended time allowance for the warranty repair and the geographically appropriate hourly labor rate. An emission related component not being available within 30 days or a repair not being complete within 30 days constitutes an emergency.

### User Responsibilities

During the warranty period the user is responsible for the following:

- Providing proof of date the engine was first placed into service.
- Parts shipping charges in excess of those that are usual and customary.
- Premium or overtime labor costs.
- Local taxes, if applicable.
- Costs to investigate complaints which are not caused by a defect in Caterpillar material or workmanship.
- Providing timely notice of a warrantable failure and promptly making the product available for repair. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.
- Presenting replaced emission related components and validated invoices at a place of business of a Cat dealer or other source approved by Caterpillar, as a condition of reimbursement.
- Proper maintenance of the engine, at the owner's expense, including all recommended maintenance and fluid changes at scheduled intervals, and use of proper fuel, oil, lubricants, coolant, and filters. Caterpillar recommends that you retain all receipts and records covering the maintenance on your engine, but cannot deny warranty solely for the lack of receipts and records or for your failure to ensure the performance of all scheduled maintenance. Maintenance, replacement, or repair of the emission control devices and systems may be performed by any non-road engine repair establishment or individual using certified nonroad engine parts. The user should ensure that such parts are equivalent in design and durability to genuine Cat parts. Use of non-genuine Cat parts does not invalidate the warranty. However, Caterpillar is not liable for parts that are not genuine Cat parts.

### Limitations

In addition to any other limitations stated herein, Caterpillar is not responsible for failures of emission related components due to:

- Any use or installation that Caterpillar judges improper.
  - Attachments, systems, accessories, components or parts not sold nor approved by Caterpillar.
  - Abuse, neglect, vandalism, or improper engine maintenance or repair, including the installation of parts or assembled components in contaminated systems.
  - Fire, accident, acts of God or other events beyond the control of Caterpillar.
  - User's delay in making the product available after being notified of a potential product problem.
- Unauthorized repairs or adjustments and unauthorized fuel setting changes.

Caterpillar is not responsible for damage to parts, fixtures, housings, attachments, and accessory items that are not part of the engine (including any products of other manufacturers packaged and sold by Caterpillar). This Emission Control Warranty is in addition to Caterpillar's standard warranty, applicable to the nonroad or stationary diesel engine product involved. Caterpillar is not responsible for damages to other engine components caused by a failure of an emission related component, unless otherwise covered by standard warranty.

**NEITHER THE FOREGOING EXPRESS WARRANTY NOR ANY OTHER WARRANTY BY CATERPILLAR, EXPRESS OR IMPLIED, IS APPLICABLE TO ANY ITEM CATERPILLAR SELLS THAT IS WARRANTED DIRECTLY TO THE USER BY ITS MANUFACTURER. THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A 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.**

### Customer Assistance

Caterpillar aims to ensure that the Emission Control 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 Warranty, write: Caterpillar Inc., 100 N. E. Adams St., Peoria, IL USA 61629. Authorized dealers are recommended for 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 to perform their own work should obtain current service information from their Cat dealer