OWENS JAMES W Form 4 October 01, 2010

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB 3235-0287

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. See Instruction

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * OWENS JAMES W			2. Issuer Name and Ticker or Trading Symbol CATERPILLAR INC [CAT]	5. Relationship of Reporting Person(s) to Issuer			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)	(Check all applicable) _X_ Director 10% Owner			
100 N.E. ADAMS STREET			09/30/2010	Officer (give title Other (specify below)			
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
PEORIA, IL 61629-7230			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Ac	quired, Disposed of, or Beneficially Owned			
4 501 4			1 2 4 2 11 7				

		- -			-		
1.Title of Security	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if	3.	4. Securities on Acquired (A) or	5. Amount of Securities	6. Ownership	7. Nature of Indirect Beneficial
(Instr. 3)	(Month/Day/Tear)	any	Code	Disposed of (D)	Beneficially	Form:	Ownership
((Month/Day/Year)	(Instr. 8)	* ` ′	Owned	Direct (D)	(Instr. 4)
					Following	or Indirect	
				(A)	Reported	(I)	
				or	Transaction(s)	(Instr. 4)	
			Code V		(Instr. 3 and 4)		
Common					257,945 <u>(1)</u>	D	
Common					173,277	I	Held in Revocable Trust
Common					7,200	I	Grandchildren's Trust
Common					700	I	Grandchild's Trust

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if	4.	5. onNumber	6. Date Exer Expiration D		7. Title and A Underlying S		8. Price of Derivative
Security	or Exercise	(Month/Day/Tear)	any	Code	of	(Month/Day		(Instr. 3 and		Security
(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr. 8)	Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)					(Instr. 5)
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Phantom Stock Units	<u>(2)</u>	09/30/2010		A	98	(3)	(3)	Common	98	\$0

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		

OWENS JAMES W 100 N.E. ADAMS STREET X PEORIA, IL 61629-7230

Signatures

James W. Owens; L.J. Huxtable, POA

10/01/2010

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) This amount includes 32,729 shares in 401K.
- (2) Security converts to common stock on a one-for-one basis.
- (3) The reported phantom stock units were acquired under Caterpillar Inc.'s deferred employee investment plan and will be settled upon the reporting person's retirement or separation from service.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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