OWENS JAMES W Form 4 August 10, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

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

obligations

may continue.

See Instruction

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 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	(Check all applicable)		
100 N.E. ADAMS STREET			(Month/Day/Year) 08/07/2009	_X_ Director 10% Owner _X_ Officer (give title Other (specify below) Chairman of the Board/CEO		
(Street)			4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Che Applicable Line)		
PEORIA, IL 61629-7230				_X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(City)	(State)	(Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned								
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	TransactiorDisposed of (D) Code (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)			
Common	08/07/2009		M	102,798	A	\$ 19.2032	285,482	D		
Common	08/07/2009		F	65,551	D	\$ 47.815	219,931	D		
Common	08/07/2009		M	5,202	A	\$ 19.2032	225,133	D		
Common	08/07/2009		F	2,089	D	\$ 47.815	223,044 (1)	D		
Common							135,093	I	Held in Revocable Trust	
Common							4,800	I	Grandchildren's Trust	

Common 300 I $\frac{\text{Grandchild's}}{\text{Trust}}$

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

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SEC 1474

(9-02)

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount Number Shares
Phantom Stock Units	<u>(2)</u>					(3)	(3)	Common	0
Employee Stock Option (4)	\$ 19.2032	08/07/2009		M	102,798	<u>(5)</u>	06/12/2010	Common	102,79
Employee Stock Option (4)	\$ 19.2032	08/07/2009		M	5,202	<u>(5)</u>	06/12/2010	Common	5,202

Reporting Owners

Reporting Owner Name / Address	Relationships						
1 0	Director	10% Owner	Officer	Other			
OWENS JAMES W 100 N.E. ADAMS STREET	X		Chairman of the Board/CEO				
PEORIA, IL 61629-7230							

Signatures

James W. Owens; L.J. Huxtable,

POA 08/10/2009

**Signature of Reporting Person Date

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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 31,736 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.
- (4) (Right to buy) with tandem tax withholding rights.
- (5) Exercisable in thirds 1/3 after 1 yr.; 1/3 after 2 yrs.; 1/3 after 3 yrs.

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.