

Mayo William D
Form 4
February 03, 2006

FORM 4

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

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 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
Mayo William D

(Last) (First) (Middle)

100 N.E. ADAMS STREET

(Street)

PEORIA, IL 61629-1205

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
CATERPILLAR INC [CAT]

3. Date of Earliest Transaction
(Month/Day/Year)
02/01/2006

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
Vice President

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
____ Form filed by More than One Reporting Person

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)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount or Price		
Common	02/01/2006		I		\$ 68.4029	7,945	D
Common	02/02/2006		M		\$ 31.1719	17,337	D
Common	02/02/2006		M		\$ 25.3575	33,057	D
Common	02/02/2006		S		\$ 68.08	7,945	D
Common	02/02/2006		M		\$ 25.8281	11,813	D
Common	02/02/2006		F		\$ 68.545	10,356	D

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Common	02/02/2006	M	3,590	A	\$ 27.8438	13,946	D
Common	02/02/2006	F	1,458	D	\$ 68.545	12,488 ⁽¹⁾	D

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

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(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 Derivative 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)	
					V	(A) (D)		Title	Amount or Number of Shares
Employee Stock Option ⁽²⁾	\$ 31.1719	02/02/2006		M		9,392	⁽³⁾ 06/08/2009	Common	9,392
Employee Stock Option ⁽²⁾	\$ 25.3575	02/02/2006		M		15,720	⁽³⁾ 06/11/2012	Common	15,720
Employee Stock Option ⁽²⁾	\$ 25.8281	02/02/2006		M		3,868	⁽³⁾ 06/10/2007	Common	3,868
Employee Stock Option ⁽²⁾	\$ 27.8438	02/02/2006		M		3,590	⁽³⁾ 06/09/2008	Common	3,590

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Mayo William D 100 N.E. ADAMS STREET PEORIA, IL 61629-1205			Vice President	

Signatures

William D. Mayo; L.J.
Huxtable, POA

02/03/2006

__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 2245 shares in 401K and 28 shares in dividend reinvestment.
- (2) (Right to buy) with tandem tax withholding rights.
- (3) 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.
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