

CATERPILLAR INC

Form 4

April 29, 2008

FORM 4
UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

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

OMB APPROVAL

OMB
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(Print or Type Responses)

1. Name and Address of Reporting Person *
LAVIN RICHARD P

(Last) (First) (Middle)

100 N.E. ADAMS STREET

(Street)

PEORIA, IL 61629

(City) (State) (Zip)

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

3. Date of Earliest Transaction
(Month/Day/Year)
04/29/2008

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

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

____ Director ____ 10% Owner
____X____ Officer (give title below) ____ Other (specify below)

Group President

6. Individual or Joint/Group Filing(Check
Applicable Line)
____X____ 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)
Common	04/29/2008		M	3,500	A \$ 31,1719	38,373	D
Common	04/29/2008		S	3,500	D \$ 81,9352	34,873	D
Common	04/29/2008		M	3,208	A \$ 31,1719	38,081 ⁽¹⁾	D
Common					4	I	Custodian for Daughter

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)		8. Date of Acquisition or Disposition (Instr. 3, 4, and 5)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Phantom Stock Units	(2)							(3)	(3)	Common	4,433
Employee Stock Option (4)	\$ 31.1719	04/29/2008		M		3,500		(5)	06/08/2009	Common	3,500
Employee Stock Option (4)	\$ 31.1719	04/29/2008		M		3,208		(5)	06/08/2009	Common	3,208

Reporting Owners

Reporting Owner Name / Address	Relationships
	Director 10% Owner Officer Other
LAVIN RICHARD P 100 N.E. ADAMS STREET PEORIA, IL 61629	Group President

Signatures

R. P. Lavin; L.J.
Huxtable, POA

04/29/2008

__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).

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- (1) This amount includes 10,687 shares in 401K and 26 shares in dividend reinvestment.
- (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.

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