BRASHEARS DAVID F

Form 4 May 24, 2007

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL OMB

3235-0287 Number:

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

SECURITIES Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

obligations may continue. See Instruction

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).

(Last)

(City)

TRAIL

(Print or Type Responses)

1. Name and Address of Reporting Person * **BRASHEARS DAVID F**

(First)

(State)

5201 N ORANGE BLOSSOM

2. Issuer Name and Ticker or Trading

Symbol

GENCOR INDUSTRIES INC

[GNCI.OB]

(Month/Day/Year)

05/22/2007

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

Sr VP, Technology

10% Owner 3. Date of Earliest Transaction Director X_ Officer (give title Other (specify below) below)

(Street) 4. If Amendment, Date Original

(Middle)

(Zip)

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

ORLANDO, FL 32810

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1. Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of Securities Form: Direct Indirect (Instr. 3) Code (D) Beneficially (D) or Beneficial (Instr. 3, 4 and 5) Ownership (Month/Day/Year) (Instr. 8) Owned Indirect (I) Following (Instr. 4) (Instr. 4) Reported (A) Transaction(s) (Instr. 3 and 4) Price Code V Amount (D) Gencor **Industries** 05/22/2007 05/22/2007 S 800 D 107,173 D 9.65 common

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form 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)

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| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transactic Code (Instr. 8) | | | ate | 7. Title and Amount of Underlying Securities | nt of lying ities | 8. Price of Derivative Security (Instr. 5) | 9. Nu Deriv Secur Bene |
|---|---|---|---|--|-----------------------------------|---------------------|-----------------|---|-------------------------|--|---------------------------------|
| | Derivative Security | | | | Securities Acquired | | | (Instr. | 3 and 4) | | Owne Follo |
| | | | | | (A) or Disposed | | | | | | Repo Trans |
| | | | | | of (D) (Instr. 3, 4, and 5) | | | | | | (Instr |
| | | | | | 4, and 3) | | | | Amount | | |
| | | | | | | Date Exercisable | Expiration Date | Title | or Number of | | |
| | | | | Code V | (A) (D) | | | | Shares | | |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

BRASHEARS DAVID F 5201 N ORANGE BLOSSOM TRAIL ORLANDO, FL 32810

Sr VP, Technology

Signatures

David F. 05/24/2007 Brashears

**Signature of Date Reporting Person

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).

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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