MILLER LLOYD I III

Check this box

if no longer

subject to

Form 4 May 01, 2007

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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response...

Section 16. Form 4 or Form 5 obligations may continue.

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 See Instruction

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * MILLER LLOYD I III			2. Issuer Name and Ticker or Trading Symbol GENCOR INDUSTRIES INC [GNCI]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last) 4550 GORDO	(First) N DRIVE	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 04/30/2007	DirectorX 10% Owner Officer (give title below) Other (specify below)		
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person		
NAPLES, FL 34102				Form filed by More than One Reporting Person		

NAPLES, FL	34102
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(City)	(State)	(Zip) Tabl	e I - Non-D	erivative	Secur	ities Ac	quired, Disposed	of, or Benefici	ally 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. Securi on(A) or D (D) (Instr. 3,	4 and (A) or	d of	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 Stock	04/30/2007		P	560	A	\$ 9.05	98,755 <u>(1)</u>	I	By Milfam II L.P.
Common Stock							735,821 (1)	I	By Trust A-4 - Lloyd I.Miller
Common Stock							19,200 (1)	I	By Trust C - Lloyd I.Miller
Common Stock							1,100 (1)	I	By Lloyd I.Miller, III, custodian

under Florida UGMA for Alexandra B. Miller

SEC 1474

(9-02)

9. Nu

Deriv

Secu

Bene Own Follo Repo Trans (Instr

Common Stock

6,500

D

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

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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)	4. Transac Code (Instr. 8	5. tionNumber of) Derivativ Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	3	ate	7. Titl Amou Under Securi (Instr.	nt of lying	8. Price of Derivative Security (Instr. 5)	
			Code \	/ (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
MILLER LLOYD I III 4550 GORDON DRIVE NAPLES, FL 34102		X					

Signatures

/s/ David J.Hoyt Attorney-in-fact 05/01/2007

**Signature of Reporting Person Date

Reporting Owners 2

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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).
 - The reporting person disclaims beneficial ownership of these securities to the extent of his pecuniary interest therein. This filing shall not
- (1) be deemed an admission that the reporting person is, for purposes of Section 16 of the Act or otherwise, the beneficial owner of any equity securities covered by this filing.

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.