

MILLER LLOYD I III  
Form 3  
March 23, 2007

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF 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)

<p>1. Name and Address of Reporting Person *</p> <p>Â MILLER LLOYD I III</p> <p>(Last) (First) (Middle)</p> <p>4550 GORDON DRIVE</p> <p>(Street)</p> <p>NAPLES, Â FL Â 34102</p> <p>(City) (State) (Zip)</p>	<p>2. Date of Event Requiring Statement</p> <p>(Month/Day/Year)</p> <p>03/22/2007</p>	<p>3. Issuer Name and Ticker or Trading Symbol</p> <p>GENCOR INDUSTRIES INC [GNCI]</p>	<p>4. Relationship of Reporting Person(s) to Issuer</p> <p>(Check all applicable)</p> <p>___ Director    <input checked="" type="checkbox"/> 10% Owner ___ Officer    ___ Other (give title below) (specify below)</p>	<p>5. If Amendment, Date Original Filed(Month/Day/Year)</p>	<p>6. Individual or Joint/Group Filing(Check Applicable Line)</p> <p><input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person</p>
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**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	735,821 <sup>(1)</sup>	I	By Trust A-4 - Lloyd I. Miller
Common Stock	19,200 <sup>(1)</sup>	I	By Trust C - Lloyd I. Miller
Common Stock	79,395 <sup>(1)</sup>	I	By Milfam II L.P.
Common Stock	1,100 <sup>(1)</sup>	I	By Lloyd I. Miller, III, custodian under Florida UGMA for Alexandra B. Miller
Common Stock	6,500	D	Â

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

SEC 1473 (7-02)

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