

FORM 4

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

OMB APPROVAL
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person * NIXON CLYDE G <small>(Last) (First) (Middle)</small> 1500 WEST UNIVERSITY PARKWAY <small>(Street)</small> SARASOTA, FL 34243 <small>(City) (State) (Zip)</small>	2. Issuer Name and Ticker or Trading Symbol SUN HYDRAULICS CORP [SNHY] 3. Date of Earliest Transaction (Month/Day/Year) 03/31/2005 4. If Amendment, Date Original Filed(Month/Day/Year)	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) Chairman of the Board 6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
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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	(A) or (D)	Price			
Common Stock	03/31/2005		S(1)		1,750	D	\$ 28.75	64,991	D	
Common Stock	03/31/2005		S(1)		600	D	\$ 28.76	64,391	D	
Common Stock	03/31/2005		S(1)		100	D	\$ 28.77	64,291	D	
Common Stock	03/31/2005		S(1)		200	D	\$ 28.80	64,091	D	
Common Stock	03/31/2005		S(1)		100	D	\$ 28.83	63,991	D	
Common Stock	03/31/2005		S(1)		1,000	D	\$ 29	62,991	D	
Common Stock	03/31/2005		S(1)		100	D	\$ 29.10	62,891	D	
Common Stock	03/31/2005		S(1)		350	D	\$ 29.18	62,541	D	
Common Stock	03/31/2005		S(1)		100	D	\$ 29.19	62,441	D	
Common Stock	03/31/2005		S(1)		500	D	\$ 29.20	61,941	D	
Common Stock	03/31/2005		S(1)		200	D	\$ 29.21	61,741	D	
Common Stock	03/31/2005		S(1)		5,000	D	\$ 29.35	56,741	D	
Common Stock	03/31/2005		S(1)		4,800	D	\$ 30.35	51,941	D	
Common Stock	04/01/2005		S(1)		200	D	\$ 30.68	51,741	D	
Common Stock	04/01/2005		S(1)		3,000	D	\$ 31.35	48,741	D	
Common Stock								29,522	I	by Wife through Trust
Common Stock								1,159	I (2)	BY ESOP TRUST

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number. SEC 1474 (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	2. Conversion or Exercise	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any	4. Transaction Code	5. Number of Derivative	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Security	8. Price of Derivative Security	9. Number of Derivative Securities	10. Ownership Form of	11. Nature of Indirect Beneficial
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(Instr. 3)	Price of Derivative Security	(Month/Day/Year)	(Instr. 8)				Date Exercisable	Expiration Date	Securities (Instr. 3 and 4)		(Instr. 5)	Beneficially Owned Following Reported Transaction(s) (Instr. 4)	Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	Ownership (Instr. 4)
			Code	V	(A)	(D)			Title	Amount or Number of Shares				

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
NIXON CLYDE G 1500 WEST UNIVERSITY PARKWAY SARASOTA, FL 34243	X		Chairman of the Board	

Signatures

Gregory C. Yadley, as Attorney-in-Fact for CLYDE G. NIXON		04/04/2005
<small>--Signature of Reporting Person</small>		<small>Date</small>

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) The sales were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on March 29, 2005.

(2) Reflects allocations of shares under the Sun Hydraulics Corporation Employee Stock Ownership Plan.

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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