

# FORM 4

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

OMB APPROVAL	
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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 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person * <b>COOPER JEFFREY</b>			2. Issuer Name and Ticker or Trading Symbol <b>SUN HYDRAULICS CORP [SNHY]</b>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director _____ 10% Owner _____ <input checked="" type="checkbox"/> Officer (give title below) _____ Other (specify below) _____ <b>Engineering Manager</b>		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 12/14/2006			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		
1500 W UNIVERSITY PARKWAY			4. If Amendment, Date Original Filed (Month/Day/Year)					
(Street)								
SARASOTA, FL 34243								
(City)			(State)			(Zip)		

**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	12/14/2006		M		275	A	\$ 4.726	29,416	D	
Common Stock	12/14/2006		M		1,500	A	\$ 5.5133	30,916	D	
Common Stock	12/14/2006		M		675	A	\$ 8.23	31,591	D	
Common Stock	12/14/2006		S		1,225	D	\$ 21.75	30,366	D	
Common Stock	12/14/2006		S		1,225	D	\$ 21.50	29,141	D	
Common Stock								1,707	I (1)	BY ESOP TRUST

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)	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. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Employee Stock Option (Right to Buy)	\$ 4.726	12/14/2006		M		275	(2)	09/29/2010	Common Stock	275	\$ 0	1,225	D	
Employee Stock Option (Right to Buy)	\$ 5.5133 (3)	12/14/2006		M		1,500 (3)	(4)	05/17/2012	Common Stock	1,500	\$ 0	1,500 (3)	D	
Employee Stock Option (Right to Buy)	\$ 8.23	12/14/2006		M		675	(5)	10/15/2011	Common Stock	675	\$ 0	675	D	

## Reporting Owners

Relationships
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Reporting Owner Name / Address	Director	10% Owner	Officer	Other
COOPER JEFFREY 1500 W UNIVERSITY PARKWAY SARASOTA, FL 34243			Engineering Manager	

## Signatures

Paul R. Lynch, as Attorney-in-Fact for JEFFREY COOPER		01/08/2007
<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) Reflects allocations of shares under the Sun Hydraulics Corporation Employee Stock Ownership Plan.
- (2) Exercisable as follows: 1,000 shares on 9/29/04; an additional 1,500 shares on 9/29/05; and an additional 1,500 shares on 9/29/06.
- (3) Price and number of securities have been adjusted for the 1 for 2 common stock dividend declared in June 2005, payable on July 15, 2005, to shareholders of record on June 30, 2005. Number of securities includes 1,000 shares issued as a result of the one-for-two stock dividend declared in June 2005.
- (4) Exercisable as follows: 1,000 shares on 5/18/03; an additional 1,000 shares on 5/18/04; an additional 1,000 shares on 5/18/05; an additional 1,500 shares on 5/18/06 and an additional 1,500 shares on 5/18/07.
- (5) Exercisable as follows: 675 shares on 10/15/05; an additional 675 shares on 10/15/06; and an additional 675 shares on 10/15/07.

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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