

# 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 * <b>COOPER JEFFREY</b> (Last) (First) (Middle) <b>1500 W UNIVERSITY PARKWAY</b> (Street) <b>SARASOTA, FL 34243</b> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <b>SUN HYDRAULICS CORP [SNHY]</b> 3. Date of Earliest Transaction (Month/Day/Year) <b>07/08/2005</b> 4. If Amendment, Date Original Filed(Month/Day/Year)	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> 6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person ___ 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	07/08/2005		S(1)		150 (2)	D	\$ 27.0133 (2)	49,423 (3)	D	
Common Stock	07/08/2005		S(1)		300 (2)	D	\$ 26.7467 (2)	49,123	D	
Common Stock	07/08/2005		S(1)		148.50 (2)	D	\$ 26.7533 (2)	48,974.50	D	
Common Stock	07/08/2005		S(1)		300 (2)	D	\$ 26.76 (2)	48,674.50	D	
Common Stock	07/08/2005		S(1)		1,128 (2)	D	\$ 26.8133 (2)	47,546.50	D	
Common Stock	07/08/2005		S(1)		150 (2)	D	\$ 26.82 (2)	47,396.50	D	
Common Stock	07/08/2005		S(1)		150 (2)	D	\$ 26.8333 (2)	47,246.50	D	
Common Stock	07/08/2005		S(1)		150 (2)	D	\$ 26.84 (2)	47,096.50	D	
Common Stock	07/08/2005		S(1)		2,400 (2)	D	\$ 26.8667 (2)	44,696.50	D	
Common Stock	07/08/2005		S(1)		300 (2)	D	\$ 26.88 (2)	44,396.50	D	
Common Stock	07/08/2005		S(1)		300 (2)	D	\$ 26.9267 (2)	44,096.50	D	
Common Stock	07/08/2005		S(1)		375 (2)	D	\$ 26.9333 (2)	43,721.50	D	
Common Stock	07/08/2005		S(1)		300 (2)	D	\$ 26.94 (2)	43,421.50	D	
Common Stock	07/08/2005		S(1)		3 (2)	D	\$ 26.9467 (2)	43,418.50	D	
Common Stock	07/08/2005		S(1)		297 (2)	D	\$ 26.9533 (2)	43,121.50	D	
Common Stock	07/08/2005		S(1)		148.50 (2)	D	\$ 26.96 (2)	42,973	D	
Common Stock	07/08/2005		S(1)		150 (2)	D	\$ 26.9933 (2)	42,823	D	
							\$			

Common Stock	07/08/2005		S <sup>(1)</sup>	450 <sup>(2)</sup>	D	27.0067 <sup>(2)</sup>	42,373		D	
Common Stock	07/08/2005		S <sup>(1)</sup>	300 <sup>(2)</sup>	D	\$ 27.0667 <sup>(2)</sup>	42,073		D	
Common Stock							1,285.50 <sup>(4)</sup>		I <sup>(5)</sup>	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)				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	(A)	(D)	Date Exercisable	Expiration Date					

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	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	07/11/2005
	Date

## 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 June 29, 2005.

(2) Price and number of shares have been adjusted for 1 for 2 common stock dividend declared in June 2005, payable on July 15, 2005, to shareholders of record on June 30, 2005.

(3) Includes 16,524 additional shares received as a result of the 1 for 2 common stock dividend declared in June 2005.

(4) Includes 428.5 additional shares received as a result of the 1 for 2 common stock dividend declared in June 2005.

(5) 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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