

# FORM 4

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

OMB APPROVAL  
OMB Number: 3235-0287  
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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>KOSKI ROBERT E</b>  (Last) (First) (Middle) <b>1500 WEST 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>05/17/2007</b>  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 checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)  6. Individual or Joint/Group Filing(Check Applicable Line) <input type="checkbox"/> Form filed by One Reporting Person <input checked="" 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	05/17/2007		S		5,000	D	\$ 39.50	3,017,031	D (1)	
Common Stock	05/17/2007		S		522	D	\$ 39.52	3,016,509	D (1)	
Common Stock	05/17/2007		S		300	D	\$ 39.53	3,016,209	D (1)	
Common Stock	05/17/2007		S		1,400	D	\$ 39.54	3,014,809	D (1)	
Common Stock	05/17/2007		S		200	D	\$ 39.55	3,014,609	D (1)	
Common Stock	05/17/2007		S		100	D	\$ 39.56	3,014,509	D (1)	
Common Stock	05/17/2007		S		200	D	\$ 39.60	3,014,309	D (1)	
Common Stock	05/17/2007		S		79	D	\$ 40.11	3,014,230	D (1)	
Common Stock	05/17/2007		S		1,001	D	\$ 40.12	3,013,229	D (1)	
Common Stock	05/17/2007		S		1,108	D	\$ 40.18	3,012,121	D (1)	
Common Stock	05/17/2007		S		2,870	D	\$ 40.20	3,009,251	D (1)	
Common Stock	05/17/2007		S		1,466	D	\$ 40.21	3,007,785	D (1)	
Common Stock	05/17/2007		S		81	D	\$ 40.25	3,007,704	D (1)	
Common Stock	05/17/2007		S		2,500	D	\$ 40.2601	3,005,204	D (1)	
Common Stock	05/17/2007		S		100	D	\$ 40.27	3,005,104	D (1)	
Common Stock	05/17/2007		S		295	D	\$ 40.28	3,004,809	D (1)	
Common Stock	05/17/2007		S		400	D	\$ 40.29	3,004,409	D (1)	
Common Stock	05/17/2007		S		100	D	\$ 40.35	3,004,309	D (1)	
Common Stock	05/17/2007		S		100	D	\$ 41.06	3,004,209	D (1)	
Common Stock	05/17/2007		S		400	D	\$ 41.08	3,003,809	D (1)	
Common Stock	05/17/2007		S		100	D	\$ 41.09	3,003,709	D (1)	
Common Stock	05/17/2007		S		100	D	\$ 41.14	3,003,609	D (1)	
Common Stock								90,193	D (2)	
Common Stock								141,216	D (3)	
Common Stock								97,617	D (4)	
Common Stock								422	I (5)	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	2. Conversion	3. Transaction Date	3A. Deemed Execution Date, if	4. Transaction	5. Number of	6. Date Exercisable and Expiration Date	7. Title and Amount of	8. Price of Derivative	9. Number of Derivative	10. Ownership	11. Nature of Indirect
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Security (Instr. 3)	or Exercise Price of Derivative Security	(Month/Day/Year)	any (Month/Day/Year)	Code (Instr. 8)				(Month/Day/Year)		Underlying Securities (Instr. 3 and 4)	Security (Instr. 5)	Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
								Date Exercisable	Expiration Date					
				Code	V	(A)	(D)							

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
KOSKI ROBERT E 1500 WEST UNIVERSITY PARKWAY SARASOTA, FL 34243	X	X		
KOSKI BEVERLY		X		
KOSKI FAMILY LP		X		
KOSKI CHRISTINE L	X	X		
KOSKI ROBERT C		X		
KOSKI THOMAS L		X		

## Signatures

Gregory C. Yadley, as Attorney-in-Fact for ROBERT E. KOSKI, BEVERLY KOSKI, KOSKI FAMILY LIMITED PARTNERSHIP, CHRISTINE L. KOSKI, ROBERT C. KOSKI AND THOMAS L. KOSKI		05/18/2007
		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) Shares owned directly by Koski Family Limited Partnership. Shares owned indirectly by Robert E. Koski, Beverly Koski, Christine L. Koski, Robert C. Koski and Thomas L. Koski, each of whom is a general partner of the partnership or the controlling person of a corporate general partner of the partnership.
- (2) Shares owned directly by Robert E. Koski and indirectly by Beverly Koski, Robert E. Koski's spouse.
- (3) Shares owned directly by Beverly Koski and indirectly by Robert E. Koski, Beverly Koski's spouse.
- (4) Shares owned directly and solely by Christine L. Koski.
- (5) Reflects allocations of shares to Robert E. Koski 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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