

FORM 4

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

OMB APPROVAL
OMB Number: 3235-0287
Estimated average burden
hours per response... 0.5

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 * KOSKI ROBERT E (Last) (First) (Middle) 1500 WEST UNIVERSITY PARKWAY (Street) SARASOTA, FL 34243 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol SUN HYDRAULICS CORP [SNHY] 3. Date of Earliest Transaction (Month/Day/Year) 05/16/2007 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
---	---	---

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	05/16/2007		S		1,500	D	\$ 39.1301	3,041,809	D (1)	
Common Stock	05/16/2007		S		1,500	D	\$ 39.1701	3,040,309	D (1)	
Common Stock	05/16/2007		S		914	D	\$ 39.25	3,039,395	D (1)	
Common Stock	05/16/2007		S		100	D	\$ 39.27	3,039,295	D (1)	
Common Stock	05/16/2007		S		100	D	\$ 39.28	3,039,195	D (1)	
Common Stock	05/16/2007		S		100	D	\$ 39.29	3,039,095	D (1)	
Common Stock	05/16/2007		S		286	D	\$ 39.30	3,038,809	D (1)	
Common Stock	05/16/2007		S		100	D	\$ 39.31	3,038,709	D (1)	
Common Stock	05/16/2007		S		100	D	\$ 39.33	3,038,609	D (1)	
Common Stock	05/16/2007		S		100	D	\$ 39.34	3,038,509	D (1)	
Common Stock	05/16/2007		S		100	D	\$ 39.36	3,038,409	D (1)	
Common Stock	05/16/2007		S		100	D	\$ 39.37	3,038,309	D (1)	
Common Stock	05/16/2007		S		5,000	D	\$ 38.50	3,033,309	D (1)	
Common Stock	05/16/2007		S		1,000	D	\$ 38.3301	3,032,309	D (1)	
Common Stock	05/16/2007		S		1,000	D	\$ 38.4201	3,031,309	D (1)	
Common Stock	05/16/2007		S		1,000	D	\$ 38.30	3,030,309	D (1)	
Common Stock	05/16/2007		S		1,000	D	\$ 38.40	3,029,309	D (1)	
Common Stock	05/16/2007		S		5,000	D	\$ 38.75	3,024,309	D (1)	
Common Stock	05/16/2007		S		2,278	D	\$ 39.25	3,022,031	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.

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 (Instr. 3)	2. Conversion or Exercise Price of	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	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially	10. Ownership Form of Derivative	11. Nature of Indirect Beneficial Ownership
--	------------------------------------	--------------------------------------	--	--------------------------------	------------------------------------	--	--	--	---	----------------------------------	---

Derivative Security				Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)			(Instr. 3 and 4)		Owned Following Reported Transaction(s) (Instr. 4)	Security: Direct (D) or Indirect (I) (Instr. 4)	(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
 Signature of Reporting Person		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.

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.