

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 * KOSKI ROBERT E <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) 06/15/2005 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 checked="" type="checkbox"/> 10% Owner <small>Officer (give title below) Other (specify below)</small> 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 | 06/15/2005 | | S | | 4,655 | D | \$ 36.60 | 2,153,888 | D (1) | |
| Common Stock | 06/15/2005 | | S | | 100 | D | \$ 36.62 | 2,153,788 | D (1) | |
| Common Stock | 06/15/2005 | | S | | 245 | D | \$ 36.63 | 2,153,543 | D (1) | |
| Common Stock | 06/15/2005 | | S | | 844 | D | \$ 37 | 2,152,699 | D (1) | |
| Common Stock | 06/15/2005 | | S | | 200 | D | \$ 37.08 | 2,152,499 | D (1) | |
| Common Stock | 06/15/2005 | | S | | 200 | D | \$ 37.10 | 2,152,299 | D (1) | |
| Common Stock | 06/15/2005 | | S | | 100 | D | \$ 37.14 | 2,152,199 | D (1) | |
| Common Stock | 06/15/2005 | | S | | 300 | D | \$ 37.15 | 2,151,899 | D (1) | |
| Common Stock | 06/15/2005 | | S | | 100 | D | \$ 37.16 | 2,151,799 | D (1) | |
| Common Stock | 06/15/2005 | | S | | 300 | D | \$ 37.24 | 2,151,499 | D (1) | |
| Common Stock | 06/16/2005 | | S | | 5,000 | D | \$ 37.20 | 2,146,499 | D (1) | |
| Common Stock | 06/16/2005 | | S | | 5,000 | D | \$ 37.50 | 2,141,499 | D (1) | |
| Common Stock | 06/16/2005 | | S | | 25 | D | \$ 37.90 | 2,141,474 | D (1) | |
| Common Stock | 06/16/2005 | | S | | 200 | D | \$ 37.91 | 2,141,274 | D (1) | |
| Common Stock | 06/16/2005 | | S | | 488 | D | \$ 37.93 | 2,140,786 | D (1) | |
| Common Stock | | | | | | | | 64,737 | D (2) | |
| Common Stock | | | | | | | | 100,000 | D (3) | |
| Common Stock | | | | | | | | 141,215 | D (4) | |
| Common Stock | | | | | | | | 173 | 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 | 2. | 3. Transaction | 3A. Deemed | 4. | 5. Number | 6. Date Exercisable | 7. Title and | 8. Price of | 9. Number of | 10. | 11. Nature |
|-------------|----|----------------|------------|----|-----------|---------------------|--------------|-------------|--------------|-----|------------|

| Derivative Security (Instr. 3) | Conversion or Exercise Price of Derivative Security | Date (Month/Day/Year) | Execution Date, if any (Month/Day/Year) | Transaction Code (Instr. 8) | | of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | | and Expiration Date (Month/Day/Year) | | Amount of Underlying Securities (Instr. 3 and 4) | | Derivative Security (Instr. 5) | Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4) | of Indirect Beneficial Ownership (Instr. 4) |
|--------------------------------|---|-----------------------|---|-----------------------------|---|---|-----|--------------------------------------|-----------------|--|----------------------------|--------------------------------|---|--|---|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | | |

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 | | 06/17/2005 |
| <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) 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 and solely by Christine L. Koski.
- (3) Shares owned directly by Robert E. Koski and indirectly by Beverly Koski, Robert E. Koski's spouse.
- (4) Shares owned directly by Beverly Koski and indirectly by Robert E. Koski, Beverly Koski's spouse.
- (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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