

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 CHRISTINE L | | | 2. Issuer Name and Ticker or Trading Symbol SUN HYDRAULICS CORP [SNHY] | | | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) | | |
| (Last) | (First) | (Middle) | 3. Date of Earliest Transaction (Month/Day/Year) 03/10/2011 | | | | | |
| (Street) | | | 4. If Amendment, Date Original Filed(Month/Day/Year) | | | 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 | | |
| (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 | 03/11/2011 | | S | | 800 | D | \$ 41.19 | 2,892,831 | D (1) | |
| Common Stock | 03/11/2011 | | S | | 600 | D | \$ 41.20 | 2,892,231 | D (1) | |
| Common Stock | 03/11/2011 | | S | | 500 | D | \$ 41.201 | 2,891,731 | D (1) | |
| Common Stock | 03/11/2011 | | S | | 500 | D | \$ 41.21 | 2,891,231 | D (1) | |
| Common Stock | 03/11/2011 | | S | | 24 | D | \$ 41.22 | 2,891,207 | D (1) | |
| Common Stock | 03/11/2011 | | S | | 100 | D | \$ 41.23 | 2,891,107 | D (1) | |
| Common Stock | 03/11/2011 | | S | | 100 | D | \$ 41.25 | 2,891,007 | D (1) | |
| Common Stock | 03/11/2011 | | S | | 200 | D | \$ 41.27 | 2,890,807 | D (1) | |
| Common Stock | 03/11/2011 | | S | | 200 | D | \$ 41.28 | 2,890,607 | D (1) | |
| Common Stock | 03/11/2011 | | S | | 100 | D | \$ 41.30 | 2,890,507 | D (1) | |
| Common Stock | 03/11/2011 | | S | | 100 | D | \$ 41.32 | 2,890,407 | D (1) | |
| Common Stock | 03/11/2011 | | S | | 460 | D | \$ 41.35 | 2,889,947 | D (1) | |
| Common Stock | 03/11/2011 | | S | | 100 | D | \$ 41.39 | 2,889,847 | D (1) | |
| Common Stock | | | | | | | | 295,969.427 | D (2) | |
| Common Stock | | | | | | | | 259,940 | D (3) | |
| Common Stock | | | | | | | | 160,000 | D (4) | |
| Common Stock | | | | | | | | 100,000 | D (5) | |
| Common Stock | | | | | | | | 3,200 | I (6) | BY KOSKI MANAGEMENT, INC. |

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 | 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) |
|--|---------------------|--|--|--|--|---|------------------|-----|--|---|------------|
| | | | | | Code | V | (A) | (D) | | | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--------------------------------|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| KOSKI CHRISTINE L | X | X | | |
| KOSKI BEVERLY | | X | | |
| KOSKI FAMILY LP | | X | | |
| KOSKI ROBERT C | | X | | |
| KOSKI THOMAS L | | X | | |

Signatures

| | | |
|---|--|---------------------|
| Gregory C. Yadley, as Attorney-in-Fact for CHRISTINE L. KOSKI, BEVERLY KOSKI, KOSKI FAMILY LIMITED PARTNERSHIP, ROBERT C. KOSKI AND THOMAS L. KOSKI | | 03/14/2011 |
| <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 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 Beverly Koski.
- (3) Shares owned directly by Christine L. Koski.
- (4) Shares owned directly by Thomas L. Koski
- (5) Shares owned directly by Robert C. Koski.
- (6) Shares owned indirectly by Beverly Koski.

Remarks:

Report is 3 of 3

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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