

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G/A

Under the Securities Exchange Act of 1934
(Amendment No. 9)

SUN HYDRAULICS CORPORATION

(Name of Issuer)

COMMON STOCK, PAR VALUE \$0.001 PER SHARE

(Title of Class of Securities)

866942 10 5

(CUSIP Number)

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
 Rule 13d-1(c)
 Rule 13d-1(d)

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act, but shall be subject to all other provisions of the Act (however, see the Notes).

1) Names of Reporting Persons / I.R.S. Identification Nos. of Above Persons (Entities Only)

Robert E. Koski

2) Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

3) SEC Use Only

4) Citizenship or Place of Organization

U.S.

(5) Sole Voting Power

Number of
Shares

90,474

(6) Shared Voting Power

Beneficially
Owned by

3,240,391

(7) Sole Dispositive Power

Each
Reporting

90,474

Person
With:

(8) Shared Dispositive Power

3,240,391

9) Aggregate Amount Beneficially Owned by Each Reporting Person

3,330,865

10) Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

11) Percent of Class Represented by Amount in Row (9)

30.701%

12) Type of Reporting Person (See Instructions)

IN

1) Names of Reporting Persons / I.R.S. Identification Nos. of Above Persons (Entities Only)

Beverly Koski

2) Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

3) SEC Use Only

4) Citizenship or Place of Organization

U.S.

(5) Sole Voting Power

Number of Shares

141,216

(6) Shared Voting Power

Beneficially Owned by

3,189,304

(7) Sole Dispositive Power

Each Reporting Person

141,216

With:

(8) Shared Dispositive Power

3,189,304

9) Aggregate Amount Beneficially Owned by Each Reporting Person

3,330,520

10) Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

11) Percent of Class Represented by Amount in Row (9)

30.698%

12) Type of Reporting Person (See Instructions)

IN

1) Names of Reporting Persons / I.R.S. Identification Nos. of Above Persons (Entities Only)

Christine L. Koski

2) Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

3) SEC Use Only

4) Citizenship or Place of Organization

U.S.

(5) Sole Voting Power

Number of
Shares

97,597

(6) Shared Voting Power

Beneficially
Owned by

3,070,309

(7) Sole Dispositive Power

Each
Reporting

97,597

Person
With:

(8) Shared Dispositive Power

3,070,309

9) Aggregate Amount Beneficially Owned by Each Reporting Person

3,167,906

10) Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

11) Percent of Class Represented by Amount in Row (9)

29.199%

12) Type of Reporting Person (See Instructions)

IN

1) Names of Reporting Persons / I.R.S. Identification Nos. of Above Persons (Entities Only)

Robert C. Koski

2) Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

3) SEC Use Only

4) Citizenship or Place of Organization

U.S.

(5) Sole Voting Power

Number of
Shares

0

(6) Shared Voting Power

Beneficially
Owned by

3,099,175

Each
Reporting

(7) Sole Dispositive Power

Person
With:

0

(8) Shared Dispositive Power

3,099,175

9) Aggregate Amount Beneficially Owned by Each Reporting Person

3,099,175

10) Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

11) Percent of Class Represented by Amount in Row (9)

28.566%

12) Type of Reporting Person (See Instructions)

IN

1) Names of Reporting Persons / I.R.S. Identification Nos. of Above Persons (Entities Only)

Thomas L. Koski

2) Check the Appropriate Box if a Member of a Group (See Instructions)

- (a)
- (b)

3) SEC Use Only

4) Citizenship or Place of Organization

U.S.

(5) Sole Voting Power

Number of Shares

0

(6) Shared Voting Power

Beneficially Owned by

3,070,309

(7) Sole Dispositive Power

Each Reporting Person

0

With:

(8) Shared Dispositive Power

3,070,309

9) Aggregate Amount Beneficially Owned by Each Reporting Person

3,070,309

10) Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

11) Percent of Class Represented by Amount in Row (9)

28.3%

12) Type of Reporting Person (See Instructions)

IN

1) Names of Reporting Persons / I.R.S. Identification Nos. of Above Persons (Entities Only)

Koski Family Limited Partnership EIN: 75-2707549

2) Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

3) SEC Use Only

4) Citizenship or Place of Organization

U.S.

(5) Sole Voting Power

Number of
Shares

0

(6) Shared Voting Power

Beneficially
Owned by

3,070,309

(7) Sole Dispositive Power

Each
Reporting

0

Person
With:

(8) Shared Dispositive Power

3,070,309

9) Aggregate Amount Beneficially Owned by Each Reporting Person

3,070,309

10) Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

11) Percent of Class Represented by Amount in Row (9)

28.3%

12) Type of Reporting Person (See Instructions)

PN

**SCHEDULE 13G - TO BE INCLUDED IN STATEMENTS
FILED PURSUANT TO RULE 13d-1(b) OR 13d-2(b)**

Item 1 (a). Name of Issuer:

SUN HYDRAULICS CORPORATION

(b). Address of Issuer's Principal Executive Offices:

1500 West University Parkway
Sarasota, FL 34243

Item 2 (a). Name of Person Filing:

Robert E. Koski
Beverly Koski
Christine L. Koski
Robert C. Koski
Thomas L. Koski
Koski Family Limited Partnership

(b). Address of Principal Business Office or, if none, Residence:

1500 West University Parkway
Sarasota, FL 34243

(c). Citizenship:

U.S.

(d). Title of Class of Securities:

Common Stock, Par Value \$0.001 per share

(e). CUSIP Number:

866942 10 5

Item 3 (a). If this statement is filed pursuant to §§240.13d-1(b), or 240.13d-2(b) or (c), check whether the person filing is a:

- (a) Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
- (b) Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c) Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
- (d) Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
- (e) An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
- (f) An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
- (g) A parent holding company or control person in accordance with §240.13d-1(b)(1)(ii)(G);
- (h) A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i) A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j) Group, in accordance with §240.13d-1(b)(1)(ii)(J).

Item 4. Ownership:

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified by Item 1.

- (a) Amount Beneficially Owned: See Response to Item 9 on cover pages.
- (b) Percent of Class: See Response to Item 9 on cover pages.
- (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote: See Response to Item 5 on cover pages.
 - (ii) shared power to vote or to direct the vote: See Response to Item 6 on cover pages.
 - (iii) sole power to dispose or to direct the disposition of: See Response to Item 7 on cover pages.
 - (iv) shared power to dispose or to direct the disposition of: See Response to Item 8 on cover pages.

Item 5. Ownership of Five Percent or Less of a Class:

Not applicable

Item 6. Ownership of More than Five Percent on Behalf of Another Person:

Not applicable

Item 7: Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company:

Not applicable

Item 8: Identification and Classification of Members of the Group:

Not applicable

Item 9: Notice of Dissolution of Group:

Not applicable

Item 10: Certification:

Not applicable

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

February 2, 2007

/s/ Robert E. Koski
ROBERT E. KOSKI

/s/ Beverly Koski
BEVERLY KOSKI

/s/ Christine L. Koski
CHRISTINE L. KOSKI

/s/ Robert C. Koski
ROBERT C. KOSKI

/s/ Thomas L. Koski
THOMAS L. KOSKI

KOSKI FAMILY LIMITED PARTNERSHIP

By: /s/ Christine L. Koski
Christine L. Koski, Managing Partner

EXHIBIT A

RULE 13d-1(k) AGREEMENT

The undersigned agree and consent to the joint filing on their behalf of this Schedule 13G in connection with their beneficial ownership of the common stock of Sun Hydraulics Corporation at December 31, 2006.

/s/ Robert E. Koski
ROBERT E. KOSKI

/s/ Beverly Koski
BEVERLY KOSKI

/s/ Christine L. Koski
CHRISTINE L. KOSKI

/s/ Robert C. Koski
ROBERT C. KOSKI

/s/ Thomas L. Koski
THOMAS L. KOSKI

KOSKI FAMILY LIMITED PARTNERSHIP

By: /s/ Christine L. Koski
Christine L. Koski, Managing Partner