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

FORM 8-K

CURRENT REPORT

**Pursuant to Section 13 OR 15(d) of The
Securities Exchange Act of 1934**

Date of Report (Date of earliest event reported): June 8, 2010

SUN HYDRAULICS CORPORATION

(Exact name of registrant as specified in its charter)

Florida
(State or other jurisdiction
of incorporation)

0-21835
(Commission
File Number)

59-2754337
(IRS Employer
Identification No.)

1500 West University Parkway, Sarasota, Florida
(Address of principal executive offices)

34243
(Zip Code)

Registrant's telephone number, including area code 941-362-1200

(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 5.07. Submission of Matters to a Vote of Security Holders.

The Annual Meeting of Shareholders of the Company was held on June 8, 2010. At the meeting, the following actions were taken by the shareholders:

Marc Bertoneche, Philippe Lemaitre and Ferdinand E. Megerlin were elected as Directors, to serve until the Annual Meeting in the year 2013, until their respective successors are elected and qualified or until their earlier resignation, removal from office or death. The votes cast for and withheld were as follows:

	<u>Voted For</u>	<u>Withheld</u>	<u>Non Votes</u>
Marc Bertoneche	14,046,777	76,811	2,003,787
Philippe Lemaitre	13,949,013	174,575	2,003,787
Ferdinand E. Megerlin	14,023,497	100,091	2,003,787

The ratification of the appointment of Kirkland, Russ, Murphy & Tapp, P.A. as the independent registered certified public accounting firm to report upon the financial statements of the Company for the year ended January 1, 2011. The voting on the ratification was as follows:

FOR	16,087,475
AGAINST	12,429
ABSTAIN	27,471
BROKER NON-VOTES	0

Item 8.01 Other Events

On June 10, 2010, the Registrant issued the press release attached hereto as Exhibit 99.1 announcing the declaration of a \$0.09 per share cash dividend on its common stock, payable on July 15, 2010, to shareholders of record as of June 30, 2010.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

99.1 Press release dated June 10, 2010.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the Registrant has duly caused this Report to be signed on its behalf by the undersigned thereunto duly authorized.

SUN HYDRAULICS CORPORATION

By: /s/ Tricia L. Fulton

Tricia L. Fulton

Chief Financial Officer

(Principal Financial and Accounting Officer)

Dated: June 11, 2010

Sun Hydraulics Corporation Declares 2nd Quarter Cash Dividend of \$0.09

SARASOTA, FLA, June 10, 2010 - Sun Hydraulics Corporation (NASDAQ: SNHY) has announced a \$0.09 per share cash dividend on its common stock. The dividend is payable on July 15, 2010, to shareholders of record as of June 30, 2010.

Sun Hydraulics advises all shareholders to familiarize themselves with rules regarding dividends, payment dates and ex-dividend dates. See the following website for more information <http://www.sec.gov/answers/dividen.htm>.

Sun Hydraulics Corporation is a leading designer and manufacturer of high performance screw-in hydraulic cartridge valves and manifolds for worldwide industrial and mobile markets. For more information about Sun, please visit our website at www.sunhydraulics.com.

Contact:

Richard K. Arter
Investor Relations
941-362-1200

Tricia Fulton
Chief Financial Officer
941-362-1200