OMB APPROVAL OMB Number: 3235-0060 Expires: April 30, 2009 Estimated average burden hours per response . . .38.0

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 18, 2007

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 5.02. <u>Departure of Directors or Principal Officers; Election of Directors; Appointment of Principal Officers; Compensatory</u> <u>Arrangements of Certain Officers</u>

On June 18, 2007, the Board of Directors appointed Ferdinand E. Megerlin as the non-executive Chairman of the Board. Dr. Megerlin succeeds Clyde G. Nixon, who had served as Chairman from 2000 until his passing earlier this year. Dr. Megerlin has served on the Board of the Company since 1998, most recently holding the position of Vice Chairman. Dr. Megerlin has over 35 years of experience in the fluid power industry.

On June 18, 2007, the Compensation Committee of the Board of Directors of the Company approved a \$10,000 salary increase, effective July 15, 2007, for Tricia Fulton, the Company's Chief Financial Officer, thereby increasing her annual salary from \$120,000 to \$130,000.

Item 8.01 Other Events

On June 19, 2007, the Registrant issued the press release attached hereto as Exhibit 99.1 announcing (1) a 50% stock dividend payable on July 15, 2007, to shareholders of record as of June 30, 2007, to be immediately followed by (2) a \$0.09 per share cash dividend on its common stock, payable on July 15, 2005, to shareholders of record as of June 30, 2005 (or the equivalent of \$0.135 per share on a pre-split basis).

Item 9.01. Financial Statements and Exhibits.

- (c) Exhibits.
 - 99.1 Press Release of the Registrant dated June 19, 2007.

- 2 -

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 20, 2007

- 3 -

Sun Hydraulics' Board of Directors Announces Second Quarter Stock Dividend and Increases Cash Dividend, Appoints Ferdinand E. Megerlin Chairman

SARASOTA, FLA, June 19, 2007—The Sun Hydraulics Corporation (NASDAQ: SNHY) Board of Directors, at its meeting on June 18, 2007, appointed a new Chairman, announced a 50% stock dividend and increased the Company's cash dividend.

Ferdinand E. Megerlin was appointed Chairman of the Board. Dr. Megerlin succeeds Clyde G. Nixon, who had served as Chairman from 2000 until his passing earlier this year. Dr. Megerlin has served on the Board of the Company since 1998, most recently holding the position of Vice Chairman. Dr. Megerlin has over 35 years of experience in the fluid power industry.

The 50% stock dividend results in shareholders receiving an additional share for every two shares of SNHY stock owned on June 30, 2007. The stock dividend will increase the total shares outstanding to approximately 16.5 million shares from 11.0 million.

Dr. Megerlin said, "The Board of Directors believes the stock dividend will help improve shareholder value by increasing the marketability and liquidity of Sun's stock."

Sun's Board of Directors also approved a cash dividend of \$0.09 per share on the new total shares outstanding after the stock dividend. Continuing, Megerlin said, "Sun Hydraulics has paid a dividend every quarter since going public in 1997. The new cash dividend of \$0.09 per share, coupled with the stock dividend, effectively increases the dividend by 35%."

The stock and cash dividends are payable on July 15, 2007, to shareholders of record as of June 30, 2007.

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.

FORWARD-LOOKING INFORMATION

Certain oral statements made by management from time to time and certain statements contained herein that are not historical facts are "forward-looking statements" within the meaning of Section 21E of the Securities Exchange Act of 1934 and, because such statements involve risks and uncertainties, actual results may differ materially from those expressed or implied by such forward-looking statements. Forward-looking statements, including those in Management's Discussion and Analysis of Financial Condition and Results of Operations are statements regarding the intent, belief or current expectations, estimates or projections of the Company, its Directors or its Officers about the Company and the industry in which it operates, and assumptions made by management, and include among other items, (i) the Company's strategies regarding growth, including its intention to develop new products; (ii) the Company's financing plans; (iii) trends affecting the Company's financial condition or results of operations; (iv) the Company's ability to continue to control costs and to meet its liquidity and other financing needs; (v) the declaration and payment of dividends; and (vi) the Company's ability to respond

to changes in customer demand domestically and internationally, including as a result of standardization. Although the Company believes that its expectations are based on reasonable assumptions, it can give no assurance that the anticipated results will occur.

Important factors that could cause the actual results to differ materially from those in the forward-looking statements include, among other items, (i) the economic cyclicality of the capital goods industry in general and the hydraulic valve and manifold industry in particular, which directly affect customer orders, lead times and sales volume; (ii) conditions in the capital markets, including the interest rate environment and the availability of capital; (iii) changes in the competitive marketplace that could affect the Company's revenue and/or cost bases, such as increased competition, lack of qualified engineering, marketing, management or other personnel, and increased labor and raw materials costs; (iv) changes in technology or customer requirements, such as standardization of the cavity into which screw-in cartridge valves must fit, which could render the Company's products or technologies noncompetitive or obsolete; (v) new product introductions, product sales mix and the geographic mix of sales nationally and internationally; and (vi) changes relating to the Company's international sales, including changes in regulatory requirements or tariffs, trade or currency restrictions, fluctuations in exchange rates, and tax and collection issues. Further information relating to factors that could cause actual results to differ from those anticipated is included but not limited to information under the headings Item 1. "Business," Item 1A. "Risk Factors" and Item 7. "Management's Discussion and Analysis of Financial Conditions and Results of Operations" in the Company's Form 10-K for the year ended December 30, 2006 and "Management's Discussion and Analysis of Financial Conditions and Results of Operations" in the Company's Form 10-Q for the quarter ended March 31, 2007. The Company disclaims any intention or obligation to update or revise forward-looking statements, whether as a result of new information, future events or otherwise.

Contact: Richard K. Arter Investor Relations 941-362-1200

Tricia L. Fulton Chief Financial Officer 941-362-1200

- 2 -