

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

FORM 10-Q

**QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934**

For the quarterly period ended March 29, 2008

Commission file number 0-21835

SUN HYDRAULICS CORPORATION

(Exact Name of Registration as Specified in its Charter)

FLORIDA

(State or Other Jurisdiction of
Incorporation or Organization)

59-2754337

(I.R.S. Employer
Identification No.)

**1500 WEST UNIVERSITY PARKWAY
SARASOTA, FLORIDA**

(Address of Principal Executive Offices)

34243

(Zip Code)

941/362-1200

(Registrant's Telephone Number, Including Area Code)

Indicate by check mark whether the Registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the Registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, or a non-accelerated filer. See definition of "accelerated filer and large accelerated filer" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer Accelerated filer Non-accelerated filer

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes No

The Registrant had 16,583,021 shares of common stock, par value \$.001, outstanding as of April 25, 2008.

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PART I: FINANCIAL INFORMATION

Item 1.

Sun Hydraulics Corporation
Consolidated Balance Sheets
(in thousands, except share data)

	<u>March 29, 2008</u> <u>(unaudited)</u>	<u>December 29, 2007</u>
Assets		
Current assets:		
Cash and cash equivalents	\$ 23,230	\$ 19,191
Restricted cash	153	146
Accounts receivable, net of allowance for doubtful accounts of \$208 and \$215	24,790	17,029
Inventories	12,005	11,421
Deferred income taxes	301	301
Other current assets	1,017	1,210
Total current assets	61,496	49,298
Property, plant and equipment, net	57,806	56,999
Other assets	4,561	4,483
Total assets	\$ 123,863	\$ 110,780
Liabilities and shareholders' equity		
Current liabilities:		
Accounts payable	\$ 7,075	\$ 5,668
Accrued expenses and other liabilities	5,084	4,857
Long-term debt due within one year	401	417
Dividends payable	1,492	1,484
Income taxes payable	3,412	674
Total current liabilities	17,464	13,100
Long-term debt due after one year	301	284
Deferred income taxes	5,110	5,108
Other noncurrent liabilities	496	406
Total liabilities	23,371	18,898
Commitments and contingencies		
	—	—
Shareholders' equity:		
Preferred stock, 2,000,000 shares authorized, par value \$0.001, no shares outstanding	—	—
Common stock, 20,000,000 shares authorized, par value \$0.001, 16,578,920 and 16,493,300 shares outstanding	17	16
Capital in excess of par value	36,245	34,390
Retained earnings	58,041	51,844
Accumulated other comprehensive income	6,189	5,632
Total shareholders' equity	100,492	91,882
Total liabilities and shareholders' equity	\$ 123,863	\$ 110,780

The accompanying Notes to the Consolidated, Unaudited Financial Statements are an integral part of these financial statements.

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Consolidated Statements of Operations
(in thousands, except per share data)

	Three months ended	
	March 29, 2008 (unaudited)	March 31, 2007 (unaudited)
Net sales	\$ 49,008	\$ 40,854
Cost of sales	31,914	26,971
Gross profit	17,094	13,883
Selling, engineering and administrative expenses	5,955	5,216
Operating income	11,139	8,667
Interest income, net	(113)	(74)
Foreign currency transaction (gain) loss, net	36	(26)
Miscellaneous income, net	(249)	(82)
Income before income taxes	11,465	8,849
Income tax provision	3,775	3,043
Net income	\$ 7,690	\$ 5,806
Basic net income per common share	\$ 0.46	\$ 0.35
Weighted average basic shares outstanding	16,562	16,377
Diluted net income per common share	\$ 0.46	\$ 0.35
Weighted average diluted shares outstanding	16,596	16,461
Dividends declared per share	\$ 0.090	\$ 0.067

The accompanying Notes to the Consolidated, Unaudited Financial Statements are an integral part of these financial statements.

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Sun Hydraulics Corporation
Consolidated Statement of Changes in Shareholders' Equity and Comprehensive Income (unaudited)

(in thousands)

	<u>Preferred shares</u>	<u>Preferred stock</u>	<u>Common shares</u>	<u>Common stock</u>	<u>Capital in excess of par value</u>	<u>Retained earnings</u>	<u>Accumulated other comprehensive income</u>	<u>Total</u>
Balance, December 29, 2007	—	\$ —	16,493	\$ 16	\$34,390	\$51,844	\$ 5,632	\$ 91,882
Shares issued, stock options			12	1	66			67
Shares issued, ESPP			4		77			77
Shares issued, ESOP			69		1,498			1,498
Stock-based compensation			1		199			199
Stock option income tax benefit					15			15
Dividends declared						(1,493)		(1,493)
Comprehensive income:								
Net income						7,690		7,690
Foreign currency translation adjustments							557	557
Comprehensive income								8,247
Balance, March 29, 2008	<u>—</u>	<u>\$ —</u>	<u>16,579</u>	<u>\$ 17</u>	<u>\$36,245</u>	<u>\$58,041</u>	<u>\$ 6,189</u>	<u>\$100,492</u>

The accompanying Notes to the Consolidated, Unaudited Financial Statements are an integral part of this financial statement.

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Consolidated Statements of Cash Flows
(in thousands)

	<u>Three months ended</u>	
	<u>March 29, 2008</u> <u>(unaudited)</u>	<u>March 31, 2007</u> <u>(unaudited)</u>
Cash flows from operating activities:		
Net income	\$ 7,690	\$ 5,806
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation and amortization	1,720	1,500
(Gain)/Loss on disposal of assets	104	(20)
Provision for deferred income taxes	2	76
Allowance for doubtful accounts	(7)	(30)
Stock-based compensation expense	199	150
Stock options income tax benefit	(15)	(31)
(Increase) decrease in:		
Accounts receivable	(7,754)	(3,235)
Inventories	(584)	(1,382)
Other current assets	193	(364)
Other assets	(84)	(62)
Increase in:		
Accounts payable	1,407	1,433
Accrued expenses and other liabilities	1,725	613
Taxes payable	2,753	2,747
Other noncurrent liabilities	90	37
Net cash provided by operating activities	<u>7,439</u>	<u>7,238</u>
Cash flows from investing activities:		
Capital expenditures	(2,400)	(3,203)
Proceeds from dispositions of equipment	99	31
Net cash used in investing activities	<u>(2,301)</u>	<u>(3,172)</u>
Cash flows from financing activities:		
Repayment of debt	(51)	(153)
Proceeds from exercise of stock options	66	54
Proceeds from stock issued	77	59
Dividends to shareholders	(1,485)	(1,087)
Stock options income tax benefit	15	31
Net cash used in financing activities	<u>(1,378)</u>	<u>(1,096)</u>
Effect of exchange rate changes on cash and cash equivalents	286	154
Net increase in cash and cash equivalents	<u>4,046</u>	<u>3,124</u>
Cash and cash equivalents, beginning of period	<u>19,337</u>	<u>9,497</u>
Cash and cash equivalents, end of period	<u>\$ 23,383</u>	<u>\$ 12,621</u>
Supplemental disclosure of cash flow information:		
Cash paid:		
Interest	\$ 10	\$ 1
Income taxes	\$ 1,035	\$ 470
Supplemental disclosure of noncash transactions:		
Common stock issued to ESOP through accrued expenses and other liabilities	\$ 1,498	\$ 1,386

The accompanying Notes to the Consolidated, Unaudited Financial Statements are an integral part of these financial statements.

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SUN HYDRAULICS CORPORATION NOTES TO THE CONSOLIDATED, UNAUDITED FINANCIAL STATEMENTS (Dollars in thousands except per share data)

1. BASIS OF PRESENTATION AND SUMMARY OF BUSINESS

Sun Hydraulics Corporation, and its wholly-owned subsidiaries and joint ventures, design, manufacture, and sell screw-in cartridge valves and manifolds used in hydraulic systems. The Company has facilities in the United States, the United Kingdom, Germany, Korea, France, China, and India. Sun Hydraulics Corporation (“Sun Hydraulics”), with its main offices located in Sarasota, Florida, designs, manufactures, and sells its products primarily through distributors. Sun Hydraulik Holdings Limited (“Sun Holdings”), a wholly-owned subsidiary of Sun Hydraulics, was formed to provide a holding company for the European market operations; its wholly-owned subsidiaries are Sun Hydraulics Limited (a British corporation, “Sun Ltd.”) and Sun Hydraulik GmbH (a German corporation, “Sun GmbH”). Sun Ltd. operates a manufacturing and distribution facility located in Coventry, England, and Sun GmbH operates a manufacturing and distribution facility located in Erkelenz, Germany. Sun Hydraulics Korea Corporation (“Sun Korea”), a wholly-owned subsidiary of Sun Hydraulics, located in Inchon, South Korea, operates a manufacturing and distribution facility. Sun Hydraulics, SARL (“Sun France”), a wholly-owned subsidiary of Sun Hydraulics, located in Bordeaux, France, operates a sales and engineering support facility. Sun Hydraulics Systems (Shanghai) Co., Ltd. (“Sun China”), a 50/50 joint venture between Sun Hydraulics and Links Lin, the owner of Sun Hydraulics’ Taiwanese distributor, is located in Shanghai, China, and operates a manufacturing and distribution facility. WhiteOak Controls, Inc. (“WhiteOak”), a 40% equity method investment, is located in Mediapolis, Iowa, and designs and produces complementary electronic control products. Sun Hydraulics acquired a 48% equity method investment in High Country Tek, Inc. (“HCT”), on November 30, 2007. HCT, located in Nevada City, California, designs and manufactures ruggedized electronic/hydraulic control solutions for mobile equipment markets. Sun Hydraulics opened a sales office in Bangalore, India during 2007 to develop new business opportunities in the Indian market.

The accompanying unaudited interim consolidated financial statements have been prepared pursuant to the rules and regulations of the Securities and Exchange Commission for reporting on Form 10-Q. Accordingly, certain information and footnotes required by accounting principles generally accepted in the United States of America for complete financial statements are not included herein. The financial statements are prepared on a consistent basis (including normal recurring adjustments) and should be read in conjunction with the consolidated financial statements and related notes contained in the Annual Report on Form 10-K for the fiscal year ended December 29, 2007, filed by Sun Hydraulics Corporation (together with its subsidiaries, the “Company”) with the Securities and Exchange Commission on March 12, 2008. In Management’s opinion, all adjustments necessary for a fair presentation of the Company’s financial statements are reflected in the interim periods presented. Operating results for the three month period ended March 29, 2008, are not necessarily indicative of the results that may be expected for the period ending December 27, 2008.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Earnings per share

The following table represents the computation of basic and diluted earnings per common share as required by Statement of Financial Accounting Standard (“FAS”) No. 128, *Earnings Per Share* (in thousands, except per share data):

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	Three Months Ended	
	March 29, 2008	March 31, 2007
Net income	\$ 7,690	\$ 5,806
Weighted average basic shares outstanding	16,562	16,377
Basic net income per common share	\$ 0.46	\$ 0.35
Effect of dilutive stock options	34	84
Weighted average diluted shares outstanding	16,596	16,461
Diluted net income per common share	\$ 0.46	\$ 0.35

Stock Split

On June 18, 2007, the Company declared a three-for-two stock split, effected in the form of a 50% stock dividend, to shareholders of record on June 30, 2007, payable on July 15, 2007. The Company issued approximately 5,500,000 shares of common stock as a result of the stock split. The effect of the stock split on outstanding shares and earnings per share was retroactively applied to all periods presented.

Reclassification

Certain amounts shown in the 2007 consolidated financial statements have been reclassified to conform to the 2008 presentation.

3. STOCK-BASED COMPENSATION

Effective January 1, 2006, the Company adopted the provisions of FAS No. 123R, *Share-Based Payment*, (“FAS 123R”) for its share-based compensation plans, using the modified prospective method.

During 1996, the Company adopted the 1996 Stock Option Plan (“1996 Plan”), which provides for the grant of incentive stock options and nonqualified stock options for the purchase of up to an aggregate of 2,250,000 shares of the Company’s common stock by officers, employees and directors of the Company. Under the terms of the plan, incentive stock options may be granted to employees at an exercise price per share of not less than the fair value per common share on the date of the grant (not less than 110% of the fair value in the case of holders of more than 10% of the Company’s voting stock). Nonqualified stock options may be granted at the discretion of the Company’s Board of Directors. The maximum term of an option may not exceed 10 years, and options become exercisable at such times and in such installments as determined by the Board of Directors.

A summary of activity under the 1996 Plan for the three months ended March 29, 2008, is as follows:

	Number of shares	Weighted average exercise price	Weighted average remaining contractual term (in years)	Aggregate intrinsic value
Options outstanding as of December 29, 2007	36	\$ 5.62		
Granted	—			
Exercised	(12)	\$ 5.32		
Forfeitures	—			
Options outstanding as of March 29, 2008	24	\$ 5.77	3.40	\$ 568
Options exercisable as of March 29, 2008	19	\$ 4.42	3.13	\$ 497

All options listed above vest over three to five years with a maximum term of seven to ten years.

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The fair value of each option grant is estimated on the date of grant using the Black-Scholes option pricing model using weighted average assumptions. Stock option compensation expense for the three months ended March 29, 2008, and March 31, 2007, was \$2 and \$10, respectively. There were no options granted during these periods.

In September 2006, the Company adopted the 2006 Stock Option Plan (“2006 Plan”), which provides for the grant of incentive stock options and nonqualified stock options for the purchase of up to an aggregate of 750,000 shares of the Company’s common stock by officers, employees and directors of the Company. The Company adopted the 2006 Plan due to the expiration of the Company’s 1996 Stock Option Plan in 2006. Under the terms of the plan, incentive stock options may be granted to employees at an exercise price per share of not less than the fair value per common share on the date of the grant (not less than 110% of the fair value in the case of holders of more than 10% of the Company’s voting stock). Nonqualified stock options may be granted at the discretion of the Company’s Board of Directors. The maximum term of an option may not exceed 10 years, and options become exercisable at such times and in such installments as determined by the Board of Directors. No awards have been granted under the 2006 Plan.

During 2001, the Company adopted the 2001 Restricted Stock Plan, which provides for the grant of restricted stock of up to an aggregate of 618,750 shares of the Company’s common stock to officers, employees, consultants and directors of the Company. Under the terms of the plan, the minimum period before any shares become non-forfeitable may not be less than six months. Effective January 1, 2006, the Company adopted the provisions of SFAS 123R. Accordingly, compensation cost is measured at the date of the grant and is recognized in earnings over the period in which the shares vest. Restricted stock expense for the three months ended March 29, 2008, and March 31, 2007, totaled \$176 and \$117, respectively.

The following table summarizes restricted stock activity from December 29, 2007, through March 29, 2008:

	<u>Number of shares</u>	<u>Weighted average grant-date fair value</u>
Nonvested balance at December 29, 2007	68	21.22
Granted	—	—
Vested	—	—
Forfeitures	—	—
Nonvested balance at March 29, 2008	<u>68</u>	21.22

The Company has \$1,100 of total unrecognized compensation cost related to restricted stock awards granted under the Plan as of March 29, 2008. That cost is expected to be recognized over a weighted average period of 1.86 years.

During 2001, the Company adopted the Employee Stock Purchase Plan (“ESPP”), which became effective August 1, 2001. Most employees are eligible to participate. Employees who choose to participate are granted an opportunity to purchase common stock at 85 percent of market value on the first or last day of the quarterly purchase period, whichever is lower. The ESPP authorizes the issuance, and the purchase by employees, of up to 731,250 shares of common stock through payroll deductions. No employee is allowed to buy more than \$25,000 of common stock in any year, based on the market value of the common stock at the beginning of the purchase period. Employees purchased 3,618 shares at a weighted average price of \$21.45 and 5,052 shares at a weighted average price of \$11.62, under the

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ESPP during the three months ended March 29, 2008, and March 31, 2007, respectively. In accordance with FAS 123R, the Company recognized \$14 and \$10 of compensation expense during the three months ended March 29, 2008 and March 31, 2007, respectively. At March 29, 2008, 580,124 shares remained available to be issued through the ESPP.

The Company has a Nonemployee Director Equity and Deferred Compensation Plan (the "Plan"), which originally was adopted by the Board of Directors and approved by the shareholders in 2004. The Plan was amended on September 9, 2006, and the amendment was approved by the shareholders at the 2007 Annual Meeting. Under the Plan, Directors who are not officers of the Company are paid \$5,000 for attendance at each meeting of the Board of Directors, as well as each meeting of each Board Committee on which they serve when the committee meeting is not held within one day of a meeting of the Board of Directors. Directors receive \$2,500 of the \$5,000 Director fee in shares of Company common stock under the Plan. Directors also may elect under the Plan to receive all or part of the remainder of their fees in Company stock and to defer receipt of their fees until a subsequent year. The Plan authorizes the issuance of up to 180,000 shares of common stock.

Directors were granted 1,098 and 1,434 shares for the three months ended March 29, 2008, and March 31, 2007, respectively. At March 29, 2008, there were 11,813 deferred stock units outstanding. Deferred stock units are treated as liabilities in accordance with FAS 123R. The Company recognized director stock compensation expense of \$82 and \$59, for the three months ended March 29, 2008, and March 31, 2007, respectively. At March 29, 2008, 160,516 shares remained available to be issued through the Plan

4. RESTRICTED CASH

The restricted cash balance at March 29, 2008, consisted of \$60 in reserves as a required deferment for customs in the U.K. operation. The restricted amount was calculated as an estimate of two months of customs for items coming into the Company's U.K. operations and is held with Lloyd's TSB in the U.K. The remaining amount of \$93 relates to a guarantee of VAT in our France operation. The guarantee is held with Cr dit Agricole Bank in France.

5. INVENTORIES

	<u>March 29, 2008</u>	<u>December 29, 2007</u>
Raw materials	\$ 5,187	\$ 4,577
Work in process	3,894	3,863
Finished goods	3,555	3,627
Provision for slow moving inventory	(631)	(646)
Total	\$ 12,005	\$ 11,421

6. GOODWILL

On March 29, 2008, the Company had \$715 of goodwill, related to its acquisition of Sun Korea. Goodwill is held in other assets on the balance sheet. Valuation models reflecting the expected future cash flow projections were used to value Sun Korea at December 29, 2007. The analysis indicated that there was no impairment of the carrying value of the goodwill. As of March 29, 2008, no factors were identified that indicated impairment of the carrying value of the goodwill.

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7. LONG-TERM DEBT

	<u>March 29, 2008</u>	<u>December 29, 2007</u>
\$35,000 revolving line of credit, collateralized by U.S. assets, interest rate variable based upon the Company's leverage ratio, due August 1, 2011.	\$ —	\$ —
\$2,400 12-year mortgage note on the German facility, fixed interest rate of 6.05%, due September 30, 2008.	234	260
10-year notes, fixed interest rates ranging from 3.5-5.1%, collateralized by equipment in Germany, due between 2009 and 2011.	468	441
Other	—	—
	<u>702</u>	<u>701</u>
Less amounts due within one year	(401)	(417)
Total	<u>\$ 301</u>	<u>\$ 284</u>

The revolving line of credit is subject to debt covenants (capitalized terms are defined therein) including: 1) Debt to Tangible Net Worth ratio of not more than 1.5:1.0, 2) Funded Debt to EBITDA ratio of not more than 2.5:1.0, and 3) EBIT to Interest Expense ratio of not less than 1.1:1.0; and requires the Company to maintain its primary domestic deposit accounts with the Bank. As of March 29, 2008, the Company was in compliance with all debt covenants.

8. INCOME TAXES

In July 2006, the FASB issued FIN 48, *Accounting for Uncertainty in Income Taxes, and Related Implementation Issues* ("FIN 48"). FIN 48 clarifies the accounting for uncertainty in income taxes recognized in a Company's financial statements in accordance with FASB No. 109, *Accounting for Income Taxes*. FIN 48 prescribes a recognition threshold and measurement attribute for a tax position taken or expected to be taken in a tax return. FIN 48 also provides guidance on derecognition, classification, interest and penalties, accounting in interim periods, disclosure, and transition. The Company adopted FIN 48 effective January 1, 2007. The adoption of FIN 48 did not have a material effect on the Company's Consolidated Financial Statements.

At March 29, 2008, the Company had an unrecognized tax benefit of \$34 including accrued interest. If recognized, the unrecognized tax benefit would have a favorable effect on the effective tax rate in future periods. The Company recognizes interest and penalties related to income tax matters in income tax expense. Interest related to the unrecognized tax benefit has been recognized and included in income tax expense. Interest accrued as of March 29, 2008, is not considered material to the Company's Consolidated Financial Statements.

The Company files U.S. federal income tax returns as well as income tax returns in various states and foreign jurisdictions. The Company is no longer subject to income tax examinations by tax authorities for years before 2004 for the majority of tax jurisdictions.

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9. SEGMENT REPORTING

The individual subsidiaries comprising the Company operate predominantly in a single industry as manufacturers and distributors of hydraulic components. The Company is multinational with operations in the United States, and subsidiaries in the United Kingdom, Germany, Korea, and France. Amounts for France, due to their immateriality, are included with the U.S. In computing operating profit for the foreign subsidiaries, no allocations of general corporate expenses have been made. Management bases its financial decisions by the geographical location of its operations.

Identifiable assets of the foreign subsidiaries are those assets related to the operation of those companies. United States assets consist of all other operating assets of the Company.

Segment information is as follows:

	<u>United States</u>	<u>Korea</u>	<u>Germany</u>	<u>United Kingdom</u>	<u>Elimination</u>	<u>Consolidated</u>
Three Months Ended March 29, 2008						
Sales to unaffiliated customers	\$28,320	\$6,354	\$ 7,962	\$ 6,372	\$ —	\$ 49,008
Intercompany sales	9,126	—	78	590	(9,794)	—
Operating income	7,184	650	2,413	1,030	(138)	11,139
Depreciation	1,192	46	145	330	—	1,713
Capital expenditures	2,232	15	33	120	—	2,400
Three Months Ended March 31, 2007						
Sales to unaffiliated customers	\$23,769	\$4,957	\$ 6,591	\$ 5,537	\$ —	\$ 40,854
Intercompany sales	8,169	—	30	883	(9,082)	—
Operating income	5,743	510	1,644	835	(65)	8,667
Depreciation	1,061	40	136	256	—	1,493
Capital expenditures	2,742	57	26	378	—	3,203

Operating income is total sales and other operating income less operating expenses. Segment operating income does not include interest income/expense and net miscellaneous income/expense.

10. FAIR VALUE OF FINANCIAL INSTRUMENTS

SFAS No. 157, *Fair Value Measurements* ("SFAS 157"), defines fair value, establishes a framework for measuring fair value in accordance with generally accepted accounting principles, and expands disclosures about fair value measurements. SFAS 157 establishes a three-tier fair value hierarchy which prioritizes the inputs used in measuring fair value as follows:

Level 1. Observable inputs such as quoted prices in active markets;

Level 2. Inputs, other than the quoted prices in active markets, that are observable either directly or indirectly; and

Level 3. Unobservable inputs in which there is little or no market data, which require the reporting entity to develop its own assumptions.

The Company does not have any assets or liabilities measured at fair value on a recurring basis at March 29, 2008. The Company did not have any fair value adjustments for assets and liabilities measured at fair value on a nonrecurring basis during the three months ended March 29, 2008.

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11. NEW ACCOUNTING PRONOUNCEMENTS

In September 2006, the Financial Accounting Standards Board (“FASB”) issued SFAS No. 157. SFAS 157 defines fair value, establishes a framework for measuring fair value in accordance with generally accepted accounting principles, and expands disclosures about fair value measurements. SFAS 157 is effective for fiscal years beginning after November 15, 2007. In February 2008, the FASB deferred the effective date of SFAS No. 157 until the fiscal year beginning after November 15, 2008 for all non-financial assets and non-financial liabilities, except those that are recognized or disclosed at fair value in the financial statements on a recurring basis (at least annually). The partial adoption of SFAS No. 157 for financial assets and liabilities did not have a material effect on the Company’s Consolidated Financial Statements. The remaining requirements of SFAS 157 are not expected to have a material effect on the Company’s Consolidated Financial Statements.

In February 2007, the FASB issued SFAS No. 159, *The Fair Value Option for Financial Assets and Financial Liabilities* (“SFAS 159”), which gives entities the option to measure eligible financial assets, and financial liabilities at fair value on an instrument by instrument basis, that are otherwise not permitted to be accounted for at fair value under other accounting standards. The election to use the fair value option is available when an entity first recognizes a financial asset or financial liability. Subsequent changes in fair value must be recorded in earnings. This statement is effective as of the beginning of a company’s first fiscal year after November 15, 2007. The adoption of SFAS 159 did not have an effect on the Company’s Consolidated Financial Statements as it did not elect this fair value option.

In June 2007, the FASB ratified Emerging Issues Task Force Issue No. 06-11, *Accounting for Income Tax Benefits of Dividends on Share-Based Payment Awards* (“EITF 06-11”). EITF 06-11 specifies how companies should recognize the income tax benefit received on dividends that are (a) paid to employees holding equity-classified nonvested shares, equity-classified nonvested share units, or equity-classified outstanding share options and (b) charged to retained earnings under SFAS 123(R). The adoption of EITF 06-11 did not have a material impact on the Company’s Consolidated Financial Statements.

In December 2007, the FASB issued SFAS No. 141 (revised 2007), *Business Combinations* (“SFAS 141R”). SFAS 141R establishes principles and requirements for an acquiring entity to recognize and measure in its financial statements the identifiable assets acquired, the liabilities assumed, any noncontrolling interest in the acquiree and the goodwill acquired. SFAS 141R expands on required disclosures to improve the statement users’ abilities to evaluate the nature and financial effects of business combinations. SFAS 141R is effective for fiscal years beginning after December 15, 2008. The Company is currently evaluating the potential impact, if any, of the adoption of SFAS 141R on its Consolidated Financial Statements.

In December 2007, the FASB issued SFAS No. 160, *Noncontrolling Interests in Consolidated Financial Statements—an amendment of ARB No. 51* (“SFAS 160”). SFAS 160 requires that a noncontrolling interest in a subsidiary be reported within equity and the amount of consolidated net income attributable to the noncontrolling interest be identified in the consolidated financial statements. SFAS 160 calls for consistency in the manner of reporting changes in the parent’s ownership interest and requires fair value measurement of any noncontrolling equity investment retained in a deconsolidation. SFAS No. 160 also establishes disclosure requirements that clearly identify and distinguish between the interests of the parent and the interests of the noncontrolling owners. SFAS No. 160 is effective for fiscal years beginning after December 15, 2008. The Company is currently evaluating the potential impact, if any, of the adoption of SFAS 160 on its Consolidated Financial Statements.

In March 2008, the FASB issued SFAS No. 161, *Disclosures about Derivative Instruments and Hedging Activities — an amendment of FASB Statement No. 133* (“SFAS 161”). This statement amends SFAS No. 133 by requiring enhanced disclosures about an entity’s derivative instruments and hedging activities, but does not change SFAS No. 133’s scope or accounting. SFAS 161 requires increased qualitative, quantitative and credit-risk disclosures about the entity’s derivative instruments and hedging activities. SFAS 161 is effective for fiscal years, and interim periods within those fiscal years, beginning after November 15, 2008, with earlier adoption permitted. The adoption of SFAS 161 is not expected to have a material impact on the Company’s Consolidated Financial Statements.

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12. COMMITMENTS AND CONTINGENCIES

The Company is not a party to any legal proceedings other than routine litigation incidental to its business. In the opinion of management, the amount of ultimate liability with respect to these actions will not materially affect the results of operations, financial position or cash flows of the Company.

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Item 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

OVERVIEW

Sun Hydraulics Corporation is a leading designer and manufacturer of high-performance screw-in hydraulic cartridge valves and manifolds, which control force, speed and motion as integral components in fluid power systems. The Company sells its products globally through wholly owned subsidiaries and independent distributors. Sales outside the United States for the year ended December 29, 2007, were approximately 58% of total net sales.

Approximately 66% of product sales are used by the mobile market, which is characterized by applications where the equipment is not fixed in place, the operating environment is often unpredictable, and duty cycles are generally moderate to low. Some examples of mobile equipment include off-road construction equipment, fire and rescue equipment and mining machinery.

The remaining 34% of sales are used by industrial markets, which are characterized by equipment that is fixed in place, typically in a controlled environment, and which operates at higher pressures and duty cycles. Automation machinery, metal cutting machine tools and plastics machinery are some examples of industrial equipment. The Company sells to both markets with a single product line.

Company Focus

In recent years, the Company has realized robust growth in all areas of the world. Management believes there are five key reasons why:

- Product availability and on-time delivery performance,
- New products, especially electrically actuated products,
- Increased sales of integrated packages,
- Our geographic presence, and
- Our website.

The company is continuously engaged in efforts to improve productivity to enhance productive capacity and be in the best position to be able to respond to marketplace demand. Company engineering and manufacturing personnel redesign existing products, where necessary, to improve manufacturability. New product design efforts include personnel from engineering, manufacturing and marketing to help reduce the time and effort required to release products to the market. These on-going activities enable the Company to maintain a level of delivery performance and shipping reliability that it believes differentiates it from its competitors.

The Company continues to add to its electrically actuated hydraulic valve offerings with many new products, including different types of solenoid and proportional valves and valves with position sensing devices. Electrically actuated cartridges help create new system opportunities as they enable the Company to offer complete integrated valve packages which could not be offered previously. The addition of electrically actuated hydraulic products allows integrated packages to be designed with 100% Sun content.

The Company has wholly-owned companies in North America, Europe and the Far East, augmented by what management believes to be the finest distribution network in the fluid power industry. In 2007, the Company opened a sales office in Bangalore, India. The Company's distributors are particularly skilled in applying products and developing integrated solutions for the local market. Through its wholly-owned companies and global distribution network, the Company is able to service all major industrialized market areas.

The Company's major marketing tool is its website, www.sunhydraulics.com. The Company's website is developed to appeal to and be used by design engineers. It provides all the detailed technical information

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and specifications to select, apply and obtain Sun products, 24 hours a day, seven days a week. The website continues to evolve by adding greater levels of detail in technical information and configuration capability.

Industry conditions

Demand for the Company's products is dependent on demand for the capital goods into which the products are incorporated. The capital goods industries in general, and the fluid power industry specifically, are subject to economic cycles. According to the National Fluid Power Association (the fluid power industry's trade association in the United States), the United States index of shipments of hydraulic products increased 1% and 9% in 2007 and 2006, respectively. The index of shipments of hydraulic products increased 7% for the three months period ending March 2008, compared to the same period of the prior year.

The Company's order trend has historically tracked closely to the United States Purchasing Managers Index (PMI). The index decreased to 48.6 in March 2008 compared to 50.9 in March 2007. In April 2008, the index remained at 48.6. When PMI is over 50, it indicates economic expansion; when it is below 50, it indicates contraction in the economy.

Results for the first quarter

(Dollars in millions except net income per share)

Three Months Ended	March 29, 2008	March 31, 2007	Increase
Net Sales	\$ 49.0	\$ 40.9	20%
Net Income	\$ 7.7	\$ 5.8	33%
Net Income per share:			
Basic	\$ 0.46	\$ 0.35	31%
Diluted	\$ 0.46	\$ 0.35	31%

Strong orders and sales continued throughout the first quarter. All geographic areas were active with first quarter sales to North America increasing 11%, Europe 20% and Asia/Pacific 41%. This is now the 20th consecutive quarter of double-digit sales growth and 18th consecutive quarter of double-digit earnings growth. Sun is proud to have sustained a compound annual growth rate dating back to 1972 of 23%. As Sun moves forward, the focus will continue to be on customer service and bringing new products to market.

Sun's products received a positive reaction at the recently concluded International Fluid Power Exposition in Las Vegas. As management had expected, all of Sun's new products were well received by its customers. There was a high level of interest, especially in electrically actuated cartridges and integrated packages.

Shared Distribution Dividend

Sun's employees are fundamental to its success. Historically, employees have been rewarded via employer contributions to a 401(k) plan and an Employee Stock Ownership Plan (ESOP). Most recently, at the end of 2007, Sun contributed \$1.5 million to the ESOP in the form of newly issued shares of Sun stock.

Sun's Board of Directors acknowledged that, to maintain the Company's momentum, it is important for its employees to continue to perform at the highest level, and that it is desirable for Sun's employees and shareholders to share further in the benefits resulting from Sun's ongoing growth and profitability. In May, the Board elected to make an additional \$0.75 million contribution to Sun's ESOP. Concurrently, the Board declared a discretionary cash dividend of \$0.09 per share to shareholders. The shared distribution is the equivalent of \$2.25 million.

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In the future, the Board of Directors may consider a shared distribution on an annual basis, taking into account Sun's financial performance, strategic opportunities, debt position, known future cash requirements and current and future liabilities. Additionally, management will continue to explore methods that would allow employees of Sun's non-U.S. operations to participate in this shared distribution. A decision in this regard is expected by year-end.

Management believes this action is consistent with Sun's culture of rewarding and sharing with those who participate in and contribute to its success. Management is proud to implement this ground-breaking method of uniting together employees and shareholders in pursuit of Sun's on-going success.

The special \$0.09 per share dividend is payable on May 30, 2008, to shareholders of record as of May 15, 2008. The \$0.75 million contribution to the ESOP, to be made on May 30, 2008, had an impact of approximately \$0.03/share on first quarter earnings.

Outlook

Second quarter 2008 sales are estimated to be approximately \$51 million and earnings per share are estimated to be in the range of \$0.50 to \$0.52. This would represent an increase of approximately 18% in sales and 42% in earnings per share over last year.

COMPARISON OF THE THREE MONTHS ENDED MARCH 29, 2008 AND MARCH 31, 2007

Net Sales

Net sales were \$49.0 million, an increase of \$8.2 million, or 20.0%, compared to \$40.9 million in 2007. The increase was due in large part to the continued growth of international sales, particularly in Europe and Asia, and a rebound in sales to North America.

European sales increased 19.9%, or \$2.8 million, to \$16.9 million. Sales to the U.K. increased 21.4%, to Germany 17.4%, and to France 9.8%. Significant increases were also noted in Italy, Austria, and the Netherlands.

Asian sales continued to grow, increasing 41.4%, or \$2.9 million, to \$9.9 million. Domestic sales in Korea increased 28.2% and sales to China increased 94.7%. Significant increases were also noted in Japan, India, and the United Arab Emirates.

North American sales increased 11.1%, or \$2.1 million, to \$21.1 million.

Gross Profit

Gross profit increased \$3.2 million, or 23.1%, to \$17.1 million. Gross profit as a percentage of net sales increased to 34.9% in the first quarter of 2008, compared to 34.0% in the first quarter last year. Increases in gross profit were primarily due to fixed cost absorption from higher sales volume, productivity improvements in the U.S., lower material costs in the German operation due to the strength of local currencies against the U.S. dollar for material purchases made in U.S. dollars, and a price increase that occurred in January 2008. Improvements were partially offset by increases in pension expense related to the additional ESOP contribution and group health insurance.

Selling, Engineering and Administrative Expenses

Selling, engineering and administrative expenses increased 14.2%, or \$0.7 million, to \$6.0 million compared to the same quarter last year. The change is primarily a result of increases in compensation and fringe benefit costs, including pension expense and group health insurance.

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Interest Income, Net

Net interest income for the quarters ended March 29, 2008, and March 31, 2007, was \$0.1 million. Total average debt for the quarter ended March 29, 2008, was \$0.7 million compared to \$1.0 million for the quarter ended March 31, 2007. Total average cash for the quarter ended March 29, 2008, was \$21.4 million compared to \$11.1 million for the quarter ended March 31, 2007. Although average cash increased, the Company received less interest income because of lower interest rates compared to the prior year. The Company did not have any outstanding variable debt during the period ended March 29, 2008.

Foreign Currency Transaction (Gain) Loss, Net

There was minimal impact to net income from foreign currency in the quarters ended March 29, 2008, and March 31, 2007.

Miscellaneous Income, Net

Miscellaneous income was \$0.2 for the quarter ended March 29, 2008, compared to \$0.1 for the quarter ended March 31, 2007. The income was primarily a result of proceeds from an insurance claim, which were partially offset by a loss on disposal of assets.

Income Taxes

The provision for income taxes for the quarter ended March 29, 2008, was 32.9% of pretax income compared to 34.4% for the quarter ended March 31, 2007. The change was primarily due to the relative levels of income and different tax rates in effect among the countries in which the Company sells its products and the decrease in the German Statutory tax rate.

LIQUIDITY AND CAPITAL RESOURCES

Historically, the Company's primary source of capital has been cash generated from operations, although fluctuations in working capital requirements have from time to time been met through borrowings under revolving lines of credit. The Company's principal uses of cash have been to pay operating expenses, make capital expenditures, pay dividends to shareholders, repurchase Company common stock and service debt.

Cash from operations for the three months ended March 29, 2008, was \$7.4 million, compared to \$7.2 million for the three months ended March 31, 2007. The \$0.2 million increase in the Company's net cash flow from operations during the period was due primarily to the increase in net income, offset by changes in working capital. Increased accrued expenses and a smaller increase in inventory added to operational cash flows. Inventory turns increased to 10.6 as of March 29, 2008, compared to 9.2 as of March 31, 2007. These amounts were partially offset by the increase in accounts receivable. Days sales outstanding (DSO) were 46 and 38 at March 29, 2008, and March 31, 2007, respectively. The increase in DSO is partially a result of increasing international demand, where customary payment terms are generally longer than with domestic customers.

Capital expenditures, consisting primarily of purchases of machinery and equipment, were \$2.4 million for the three months ended March 29, 2008, compared to \$3.2 million for the three months ended March 31, 2007. Capital expenditures for the year are projected to be approximately \$13.0 million.

The Company declared a quarterly dividend of \$0.09 per share to shareholders of record as of March 31, 2008, payable on April 15, 2008. The declaration and payment of future dividends is subject to the sole discretion of the Board of Directors, and any determination as to the payment of future dividends will depend upon the Company's profitability, financial condition, capital needs, future prospects and other factors deemed pertinent by the Board of Directors.

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The Company believes that cash generated from operations and its borrowing availability under its revolving Line of Credit will be sufficient to satisfy the Company's operating expenses and capital expenditures for the foreseeable future. In the event that economic conditions were to severely worsen for a protracted period of time, the Company would have several options available to ensure liquidity in addition to increased borrowing. Capital expenditures could be postponed since they primarily pertain to long-term improvements in operations. Additional operating expense reductions also could be made. Finally, the dividend to shareholders could be reduced or suspended.

Off Balance Sheet Arrangements

The Company uses the equity method of accounting to account for its investments in Sun China, WhiteOak and High Country Tek. The Company does not have a majority ownership in or exercise control over any of these entities. The Company does not believe that its investments in Sun China, WhiteOak, or High Country Tek qualify as Variable Interest Entities, within the scope of FASB Interpretation (FIN) No. 46(R), *Consolidation of Variable Interest Entities (revised December 2003)*, an interpretation of ARB No. 51, nor are they material to the financial statements of the Company at March 29, 2008.

Seasonality

The Company generally has experienced increased sales during the second quarter of the year, largely as a result of the order patterns of our customers. As a result, the Company's second quarter net sales, income from operations and net income historically are the highest of any quarter during the year.

Inflation

The impact of inflation on the Company's operating results has been moderate in recent years. While inflation has not had, and the Company does not expect that it will have, a material impact upon operating results, there is no assurance that the Company's business will not be affected by inflation in the future.

Critical Accounting Policies and Estimates

The Company currently applies judgment and estimates which may have a material effect on the eventual outcome of assets, liabilities, revenues and expenses for impairment of long-lived assets, accounts receivable, inventory, goodwill and accruals. The following explains the basis and the procedure for each account where judgment and estimates are applied.

Revenue Recognition

The Company reports revenues, net of sales incentives, when title passes and risk of loss transfers to the customer. The effect of material non-recurring events is provided for when they become known.

Impairment of Long-Lived Assets

In accordance with Statement of Financial Accounting Standards ("FAS") No. 144, *Accounting for Impairment or Disposal of Long-lived Assets* ("FAS 144"), long-lived assets, such as property and equipment, and purchased intangibles subject to amortization, are reviewed for impairment whenever events or changes in circumstances indicate that the carrying amount of an asset may not be recoverable.

Recoverability of the asset is measured by comparison of its carrying amount to future net cash flows the asset is expected to generate. If such assets are considered to be impaired, the impairment to be recognized is measured as the amount by which the carrying amount of the asset exceeds its fair market value.

The Company assesses the recoverability of goodwill and intangible assets not subject to amortization under FAS No. 142, *Goodwill and Other Intangible Assets* ("FAS 142"). See Goodwill below.

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Accounts Receivable

The Company sells to most of its customers on a recurring basis, primarily through distributors with which the Company maintains long-term relationships. As a result, bad debt experience has not been material. The allowance for doubtful accounts is determined on a specific identification basis by a review of those accounts that are significantly in arrears. There can be no assurance that a distributor or a large direct sale customer with overdue accounts receivable balances will not develop financial difficulties and default on payment. See balance sheet for allowance amounts.

Inventory

The Company offers a wide variety of standard products and as a matter of policy does not discontinue products. On an ongoing basis, component parts found to be obsolete through design or process changes are disposed of and charged to material cost. The Company reviews on-hand balances of products and component parts against specific criteria. Products and component parts without usage or that have excess quantities on hand are evaluated. An inventory reserve is then established for the full inventory carrying value of those products and component parts deemed to be obsolete or slow moving. See Note 5 for inventory reserve amounts.

Goodwill

The Company acquired its Korean operations in September 1998 using the purchase method. As a result, goodwill is reflected on the consolidated balance sheet. A valuation based on the cash flow method was performed at December 29, 2007. It was determined that the value of the goodwill was not impaired. There is no assurance that the value of the acquired company will not decrease in the future due to changing business conditions. See Note 6 for goodwill amounts.

Accruals

The Company makes estimates related to certain employee benefits and miscellaneous accruals. Estimates for employee benefit accruals are based on information received from plan administrators in conjunction with management's assessments of estimated liabilities related to workers' compensation, health care benefits and annual contributions to an employee stock ownership plan ("ESOP"), established in 2004 as part of the Company's retirement plan. Estimates for miscellaneous accruals are based on management's assessment of estimated liabilities for costs incurred.

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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,” and Item 1A. “Risk Factors” in the Company’s Form 10-K for the year ended December 29, 2007, and “Management’s Discussion and Analysis of Financial Conditions and Results of Operations” in this Form 10-Q for the quarter ended March 29, 2008. 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.

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Item 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

The Company is exposed to market risk from changes in interest rates on borrowed funds, which could affect its results of operations and financial condition. The Company's interest rate on its debt financing remains variable based upon the Company's leverage ratio. The Company had no variable-rate debt outstanding at March 29, 2008.

The Company's exposure to foreign currency exchange fluctuations relates primarily to the direct investment in its facilities in the United Kingdom, Germany and Korea. The Company does not use financial instruments to hedge foreign currency exchange rate changes.

Item 4. CONTROLS AND PROCEDURES

As of March 29, 2008, the Company's management, under the direction of its Chief Executive Officer and the Chief Financial Officer, carried out an evaluation of the effectiveness of the design and operation of the disclosure controls and procedures pursuant to Exchange Act Rule 13a-15. Our disclosure controls and procedures are designed to provide reasonable assurance that the information required to be disclosed in our SEC reports is recorded, processed, summarized and reported within the time periods specified by the SEC's rules and forms, and is accumulated and communicated to management, including our Chief Executive Officer and Chief Financial Officer, as appropriate to allow timely decisions regarding required disclosure. Based upon that evaluation, the Company's Chief Executive Officer and the Chief Financial Officer concluded that the Company's disclosure controls and procedures were effective at the reasonable assurance level as of March 29, 2008, in timely alerting them to material information required to be included in the Company's periodic SEC filings.

There were no significant changes in the Company's internal controls over financial reporting during the period ended March 29, 2008, that materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting.

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PART II
OTHER INFORMATION

Item 1. Legal Proceedings.

None.

Item 1A. Risk Factors.

For information regarding risk factors, please refer to Part I, Item 1A in the Company's Annual Report on Form 10-K for the year ended December 29, 2007.

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds.

None.

Item 3. Defaults Upon Senior Securities.

None.

Item 4. Submission of Matters to a Vote of Security Holders.

None.

Item 5. Other Information.

None.

Item 6. Exhibits.

Exhibits:

<u>Exhibit Number</u>	<u>Exhibit Description</u>
31.1	CEO Certification pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
31.2	CFO Certification pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
32.1	CEO Certification pursuant to 18 U.S.C. § 1350.
32.2	CFO Certification pursuant to 18 U.S.C. § 1350.

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the Registrant has duly caused this Report to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Sarasota, State of Florida on May 7, 2008.

SUN HYDRAULICS CORPORATION

By: /s/ Tricia L. Fulton

Tricia L. Fulton
Chief Financial Officer (Principal
Financial and Accounting Officer)

CERTIFICATION

I, Allen J. Carlson, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q for the quarter ended March 29, 2008, of Sun Hydraulics Corporation;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

(a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

(b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

(c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

(d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

(a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

(b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 7, 2008

/s/ Allen J. Carlson

Allen J. Carlson
President, Chief Executive Officer

CERTIFICATION

I, Tricia L. Fulton, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q for the quarter ended March 29, 2008, of Sun Hydraulics Corporation;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

(a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

(b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

(c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

(d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

(a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

(b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 7, 2008

/s/ Tricia L. Fulton

Tricia L. Fulton
Chief Financial Officer

CERTIFICATION PURSUANT TO 18 U.S.C. § 1350

I, Allen J. Carlson, the Chief Executive Officer of Sun Hydraulics Corporation (the "Company"), certify that (i) the Quarterly Report on Form 10-Q for the Company for the quarter ended March 29, 2008 (the "Report"), fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934 and (ii) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

/s/ Allen J. Carlson
Chief Executive Officer
May 7, 2008

CERTIFICATION PURSUANT TO 18 U.S.C. § 1350

I, Tricia L. Fulton, the Chief Financial Officer of Sun Hydraulics Corporation (the “Company”), certify that (i) the Quarterly Report on Form 10-Q for the Company for the quarter ended March 29, 2008 (the “Report”), fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934 and (ii) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

/s/ Tricia L. Fulton

Chief Financial Officer
May 7, 2008