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Woodward, Inc. Form 10-Q April 20, 2016 UNITED STATES SECURITIES AND EXCHANGE COMMISSION	N
Washington, D.C. 20549	
FORM 10-Q	
QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) 01934	OF THE SECURITIES EXCHANGE ACT OF
For the quarterly period ended March 31, 2016	
or	
TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) 0 1934	OF THE SECURITIES EXCHANGE ACT OF
For the transition period from to	
Commission file number 000-08408 WOODWARD, INC. (Exact name of registrant as specified in its charter)	
(Exact name of registrant as specified in its charter)	
Delaware	36-1984010
(State or other jurisdiction of incorporation or organization)	(I.R.S. Employer Identification No.)
1000 East Drake Road, Fort Collins, Colorado	80525
(Address of principal executive offices) (970) 482-5811	(Zip Code)
(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 has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files).

Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).

Yes No

As of April 18, 2016, 61,103,960 shares of the registrant's common stock with a par value of \$0.001455 per share were outstanding.

## TABLE OF CONTENTS

1

		Page
PART I -	FINANCIAL INFORMATION	
Item 1.	Financial Statements	2
	Condensed Consolidated Statements of Earnings	2
	Condensed Consolidated Statements of Comprehensive Earnings	3
	Condensed Consolidated Balance Sheets	4
	Condensed Consolidated Statements of Cash Flows	5
	Condensed Consolidated Statements of Stockholders' Equity	6
	Notes to Condensed Consolidated Financial Statements	7
Item 2.	Management's Discussion and Analysis of Financial Condition and Results of Operations	28
	Forward Looking Statements	28
	Overview	31
	Results of Operations	33
	<u>Liquidity and Capital Resources</u>	38
Item 3.	Quantitative and Qualitative Disclosures About Market Risk	41
Item 4.	Controls and Procedures	41
PART II	– OTHER INFORMATION	
Item 1.	<u>Legal Proceedings</u>	42
Item 1A.	Risk Factors	42
Item 2.	Unregistered Sales of Equity Securities and Use of Proceeds	42
Item 6.	<u>Exhibits</u>	43
	Signatures	44

### PART I – FINANCIAL INFORMATION

Item 1.Financial Statements

### WOODWARD, INC.

#### CONDENSED CONSOLIDATED STATEMENTS OF EARNINGS

(In thousands, except per share amounts)

(Unaudited)

	Three-Mon March 31,	ths Ended	Six-Months Ended March 31,		
	2016	2015	2016	2015	
Net sales	\$ 479,382	\$ 493,222	\$ 924,492	\$ 980,868	
Costs and expenses:					
Cost of goods sold	346,139	355,602	679,516	699,362	
Selling, general and administrative expenses	36,823	38,450	77,605	78,293	
Research and development costs	31,762	30,328	63,359	64,357	
Amortization of intangible assets	6,926	7,227	13,872	14,802	
Interest expense	6,234	5,329	13,142	11,278	
Interest income	(441)	(221)	(888)	(348)	
Other (income) expense, net (Note 15)	(2,427)	(1,084)	(4,436)	(1,539)	
Total costs and expenses	425,016	435,631	842,170	866,205	
Earnings before income taxes	54,366	57,591	82,322	114,663	
Income tax expense	13,542	13,736	15,678	27,024	
Net earnings	\$ 40,824	\$ 43,855	\$ 66,644	\$ 87,639	
Earnings per share (Note 3):					
Basic earnings per share	\$ 0.66	\$ 0.67	\$ 1.07	\$ 1.34	
Diluted earnings per share	\$ 0.65	\$ 0.66	\$ 1.05	\$ 1.32	
Weighted Average Common Shares Outstanding (Note 3):					
Basic	61,639	65,159	62,351	65,242	
Diluted	63,064	66,540	63,768	66,641	
Cash dividends per share paid to Woodward common stockholders	\$ 0.11	\$ 0.10	\$ 0.21	\$ 0.18	

See accompanying Notes to Condensed Consolidated Financial Statements

## WOODWARD, INC.

### CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE EARNINGS

(In thousands)

(Unaudited)

	Three-Months Ended March 31,		Six-Month March 31,	
	2016	2015	2016	2015
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Net earnings	\$ 40,824	\$ 43,855	\$ 66,644	\$ 87,639
Other comprehensive earnings:				
Foreign currency translation adjustments	10,125	(22,012)	(129)	(34,945)
Unrealized gain (loss) on foreign currency transaction designated as a				
hedge of a net investment in a foreign subsidiary (Note 6)	(345)	-	517	-
Taxes on changes in foreign currency translation adjustments	(601)	411	(295)	1,260
	9,179	(21,601)	93	(33,685)

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Reclassification of net realized losses on derivatives to earnings (Note				
6)	28	24	57	49
Taxes on changes in derivative transactions	(10)	(8)	(21)	(18)
	18	16	36	31
Minimum retirement benefit liability adjustments (Note 17)				
Amortization of:				
Net prior service cost (benefit)	57	57	113	113
Net loss	425	127	852	257
Foreign currency exchange rate changes on minimum retirement				
benefit liabilities	287	518	571	1,058
Taxes on changes in minimum retirement liability adjustments, net of				
foreign currency exchange rate changes	(290)	(252)	(576)	(509)
	479	450	960	919
Total comprehensive earnings	\$ 50,500	\$ 22,720	\$ 67,733	\$ 54,904

See accompanying Notes to Condensed Consolidated Financial Statements

### WOODWARD, INC.

### CONDENSED CONSOLIDATED BALANCE SHEETS

(In thousands, except per share amounts)

(Unaudited)

		September
	March 31,	30,
	2016	2015
ASSETS		(a)
Current assets:		
Cash and cash equivalents	\$ 84,745	\$ 82,202
Accounts receivable, less allowance for uncollectible amounts of \$2,759 and \$3,841,		
respectively	276,848	322,215
Inventories	492,660	447,664
Income taxes receivable	1,687	21,838
Other current assets	36,281	43,791
Total current assets	892,221	917,710
Property, plant and equipment, net	825,972	756,100
Goodwill	556,720	556,977
Intangible assets, net	211,289	225,138
Deferred income tax assets	38,311	13,105
Other assets	44,903	44,886
Total assets	\$ 2,569,416	\$ 2,513,916
LIABILITIES AND STOCKHOLDERS' EQUITY		
Current liabilities:		
Short-term borrowings and current portion of long-term debt	\$ 100,000	\$ 2,430
Accounts payable	177,423	173,287
Income taxes payable	78,430	6,555
Accrued liabilities	123,397	155,936
Total current liabilities	479,250	338,208
Long-term debt, less current portion	617,000	850,000
Deferred income tax liabilities	936	56,414
Other liabilities	353,269	116,190
Total liabilities	1,450,455	1,360,812
Commitments and contingencies (Note 19)		
Stockholders' equity:		
Preferred stock, par value \$0.003 per share, 10,000 shares authorized, no shares issued	-	-
Common stock, par value \$0.001455 per share, 150,000 shares authorized, 72,960 shares		
issued	106	106
Additional paid-in capital	145,606	131,231
Accumulated other comprehensive losses	(50,369)	(51,458)
Deferred compensation	5,219	4,322
Retained earnings	1,548,832	1,495,274
	1,649,394	1,579,475

Treasury stock at cost, 11,735 shares and 9,763 shares, respectively	(525,214)	(422,049)
Treasury stock held for deferred compensation, at cost, 174 shares and 173 shares,		
respectively	(5,219)	(4,322)
Total stockholders' equity	1,118,961	1,153,104
Total liabilities and stockholders' equity	\$ 2,569,416	\$ 2,513,916

(a) Retrospectively adjusted as discussed in Note 2, Recent accounting pronouncements

See accompanying Notes to Condensed Consolidated Financial Statements.

### WOODWARD, INC.

### CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS

(In thousands)

(Unaudited)

	Six-Months 31,	Ended March
	2016	2015
Cash flows from operating activities:		(a)
Net earnings	\$ 66,644	\$ 87,639
Adjustments to reconcile net earnings to net cash provided by operating activities:		
Depreciation and amortization	32,621	37,249
Net gain on sales of assets	(1,601)	(718)
Stock-based compensation	11,422	7,890
Deferred income taxes	(81,496)	3,628
Loss on derivatives reclassified from accumulated comprehensive earnings into earnings	57	49
Proceeds from formation of joint venture (Note 4)	250,000	-
Changes in operating assets and liabilities:		
Accounts receivable	53,666	26,417
Inventories	(45,918)	(36,085)
Accounts payable and accrued liabilities	(10,734)	6,231
Current income taxes	91,800	(9,173)
Retirement benefit obligations	(1,969)	(2,490)
Other	(2,810)	2,639
Net cash provided by operating activities	361,682	123,276
Cash flows from investing activities:		
Payments for purchase of property, plant, and equipment	(99,316)	(109,402)
Proceeds from sale of assets	2,112	2,345
Net cash used in investing activities	(97,204)	(107,057)
Cash flows from financing activities:		
Cash dividends paid	(13,086)	(11,752)
Proceeds from sales of treasury stock	5,288	2,460
Payments for repurchases of common stock	(117,820)	(32,118)
Borrowings on revolving lines of credit and short-term borrowings	300,000	255,000
Payments on revolving lines of credit and short-term borrowings	(385,596)	(252,000)
Payments of long-term debt and capital lease obligations	(50,075)	-
Net cash used in financing activities	(261,289)	(38,410)
Effect of exchange rate changes on cash and cash equivalents	(646)	(12,335)
Net change in cash and cash equivalents	2,543	(34,526)
Cash and cash equivalents at beginning of period	82,202	115,287

Cash and cash equivalents at end of period

\$ 84,745 \$ 80,761

(a) Retrospectively adjusted as discussed in Note 2, Recent accounting pronouncements

See accompanying Notes to Condensed Consolidated Financial Statements.

## WOODWARD, INC.

## CONDENSED CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY

(In thousands)

(Unaudited)

	Number o	of shares			Stockholders' equity					
							Accumulate earnings	d other	comprehensiv	·
	Preferred stock	Common stock	Treasury	Treasury stock held for deferred compensation		Additional nompaid-in capital	Foreign currency translation adjustments	derivati gains	Minimum izædirement ivænefit liability adjustments	Total accum other compr (loss) s earning
Balances as of October 1,		72.260	(= -0. <del>=</del> )		† 40 <i>c</i>	<b>*</b> * * * <b>*</b> * * * * * * * * * * * * *	t 12.010	* 40#		÷ (0.7
2014	-	72,960	(7,397)	(198)	\$ 106	\$ 112,491	\$ 10,819	\$ 105	\$ (14,457)	\$ (3,5)
Net earnings Other comprehensive income (loss),	-	-	-	-	-	-	-	-	-	-
net of tax Cash dividends	-	-	-	-	-	-	(33,685)	31	919	(32,
paid Purchases of	-	-	-	-	-	-	-	-	-	-
treasury stock Sales of	-	-	(622)	-	-	-	-	-	-	-
treasury stock Common shares issued from treasury stock for	-	-	107	-	-	(846)	-	-	-	-
benefit plans Tax benefit attributable to stock-based	-	-	259	-	-	4,490	-	-	-	-
compensation Stock-based	-	-	-	-	-	687	-	-	-	-
compensation	-	-	-	-	-	7,890	-	-	-	-
	-	-	-	(17)	-	-	-	-	-	-

Purchases of stock by deferred compensation plan Distribution of stock from deferred compensation										
plan	-	-	-	24	-	-	-	-	-	-
Balances as of										
March 31, 2015	-	72,960	(7,653)	(191)	\$ 106	\$ 124,712	\$ (22,866)	\$ 136	\$ (13,538)	\$ (36,1
Balances as of October 1, 2015	-	72,960	(9,763)	(173)	\$ 106	\$ 131,231	\$ (21,610)	\$ 166	\$ (30,014)	\$ (51,
Net earnings	-	-	-	-	-	-	-	-	-	-
Other comprehensive income (loss),							02	26	0/0	1.00
net of tax Cash dividends	-	-	-	-	-	-	93	36	960	1,08
paid	_	_	_	_	_	_	_	_	_	_
Purchases of										
treasury stock Sales of	-	-	(2,543)	-	-	-	-	-	-	-
treasury stock Common shares issued from treasury stock for	-	-	254	-	-	(2,366)	-	-	-	-
benefit plans Stock-based	-	-	317	-	-	5,319	-	-	-	-
compensation Purchases of stock by deferred compensation	-	-	-	-	-	11,422	-	-	-	-
plan Distribution of stock from deferred compensation	-	-	-	(24)	-	-	-	-	-	-
plan	-	-	-	23	-	-	-	-	-	-
Balances as of March 31, 2016	-	72,960	(11,735)	(174)	\$ 106	\$ 145,606	\$ (21,517)	\$ 202	\$ (29,054)	\$ (50,

See accompanying Notes to Condensed Consolidated Financial Statements

WOODWARD, INC.

#### NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

(In thousands, except per share amounts)

(Unaudited)

Note 1. Basis of Presentation

The Condensed Consolidated Financial Statements of Woodward, Inc. ("Woodward" or the "Company") as of March 31, 2016 and for the three and six-months ended March 31, 2016 and March 31, 2015, included herein, have not been audited by an independent registered public accounting firm. These Condensed Consolidated Financial Statements reflect all normal recurring adjustments that, in the opinion of management, are necessary to present fairly Woodward's financial position as of March 31, 2016, and the statements of earnings, comprehensive earnings, cash flows, and changes in stockholders' equity for the periods presented herein. The results of operations for the three and six-months ended March 31, 2016 are not necessarily indicative of the operating results to be expected for other interim periods or for the full fiscal year. Dollar and share amounts contained in these Condensed Consolidated Financial Statements are in thousands, except per share amounts.

The Condensed Consolidated Balance Sheet as of September 30, 2015 was derived from Woodward's Annual Report on Form 10-K for the fiscal year then ended. During the three-months ended March 31, 2016, Woodward adopted Accounting Standards Update ("ASU") 2015-17, "Balance Sheet Classification of Deferred Taxes," and retrospectively applied the guidance to its deferred tax assets and liabilities as of September 30, 2015. For further discussion of the impact of adopting this new accounting guidance, see Note 2, Recent accounting pronouncements.

The Condensed Consolidated Financial Statements included herein have been prepared pursuant to the rules and regulations of the Securities and Exchange Commission ("SEC") for interim reporting. Certain information and footnote disclosures normally included in financial statements prepared in accordance with accounting principles generally accepted in the United States of America ("U.S. GAAP") have been condensed or omitted pursuant to such rules and regulations.

These unaudited Condensed Consolidated Financial Statements should be read in conjunction with the audited Consolidated Financial Statements and Notes thereto included in Woodward's most recent Annual Report on Form 10-K filed with the SEC and other financial information filed with the SEC.

Management is required to use estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements, the reported revenues and expenses recognized during the reporting period, and certain financial statement disclosures, in the preparation of the Condensed Consolidated Financial Statements included herein. Significant estimates in these Condensed Consolidated Financial Statements include allowances for uncollectible amounts, net realizable value of inventories, customer rebates earned, warranty reserves, useful lives of property and identifiable intangible assets, estimates to support unit-of-production depreciation, the evaluation of impairments of property, valuation of identifiable intangible assets and goodwill, the provision for income tax and related valuation reserves, the valuation of assets and liabilities acquired in business combinations, assumptions used in the determination of the funded status and annual expense of pension and postretirement employee benefit plans, the valuation of stock compensation instruments granted to employees and board members, and contingencies. Actual results could vary materially from Woodward's estimates.

Woodward has changed the name of its Energy segment to Industrial. The term "energy" is largely viewed as "oil and gas" and therefore was not representative of the broader markets Woodward serves in this segment.

#### Note 2. Recent accounting pronouncements

From time to time, the Financial Accounting Standards Board ("FASB") or other standards setting bodies issue new accounting pronouncements. Updates to the FASB Accounting Standards Codification ("ASC") are communicated through issuance of an Accounting Standards Update ("ASU").

In March 2016, the FASB issued ASU 2016-09, "Improvements to Employee Share-Based Payment Accounting," to simplify financial reporting of the income tax impacts of share-based compensation arrangements. As early adoption is allowed, Woodward adopted ASU 2016-09 during the second quarter of fiscal year 2016. Under ASU 2016-09 Woodward classifies the excess income tax benefits from stock-based compensation arrangements as a discrete item within income tax expense, rather than recognizing such excess income tax benefits in additional paid-in capital. As required by ASU 2016-09, Woodward applied this classification guidance effective as of October 1, 2015.

Under ASU 2016-09, excess income tax benefits from stock-based compensation arrangements are classified as cash flow from operations, rather than as cash flow from financing activities. In addition, when Woodward withholds shares from an employee's exercise of stock options to fund payment by Woodward of the employee's taxes, the payment is classified as

a financing activity. Woodward has elected to apply the cash flow classification guidance of ASU 2016-09 retrospectively to any prior periods presented.

Woodward has elected to continue to estimate the number of stock-based awards expected to vest, as permitted by ASU 2016-09, rather than electing to account for forfeitures as they occur.

The following table shows the impact of retrospectively applying this guidance to the Condensed Consolidated Statement of Earnings and Condensed Consolidated Statement of Cash Flows for the three-months ended December 31, 2015.

	Three-Months Ended December 31, 2015				
	previously reported	Ac	ljustment	As recast	
Statement of Earnings:	•				
Earnings before income taxes	\$ 27,956	\$	-	\$ 27,956	
Income tax expense	2,345		(209)	2,136	
Net earnings	\$ 25,611	\$	209	\$ 25,820	
Earnings per share:					
Basic earnings per share	\$ 0.41	\$	-	\$ 0.41	
Diluted earnings per share	\$ 0.40	\$	-	\$ 0.40	
Weighted average common shares outstanding:					
Basic	63,054		-	63,054	
Diluted	64,373		79	64,452	
Statement of Cash Flows:					
Net cash provided by operating activities	\$ 37,112	\$	248	\$ 37,360	
Net cash used in investing activities	(31,279)		_	(31,279)	
Net cash used in financing activities	(1,131)		(248)	(1,379)	
Effect of exchange rate changes on cash and cash equivalents	(2,482)		-	(2,482)	
Net change in cash and cash equivalents	\$ 2,220	\$	_	\$ 2,220	

The following table shows the impact of retrospectively applying this guidance to the Condensed Consolidated Statement of Cash Flows for the six-months ended March 31, 2015.

	Six-Months As previously reported	31, 2015 As recast	
Statement of Cash Flows:	•		
Net cash provided by operating activities	\$ 122,540	\$ 736	\$ 123,276

Net cash used in investing activities	(107,057)	-	(107,057)
Net cash used in financing activities	(37,674)	(736)	(38,410)
Effect of exchange rate changes on cash and cash equivalents	(12,335)	-	(12,335)
Net change in cash and cash equivalents	\$ (34,526)	S -	\$ (34,526)

In February 2016, the FASB issued ASU 2016-02, "Leases (Topic 842)." The purpose of ASU 2016-02 is to increase transparency and comparability among organizations by recognizing lease assets and lease liabilities on the balance sheet and disclosing key information about leasing arrangements. ASU 2016-02 is effective for fiscal years beginning after December 15, 2018 (fiscal year 2020 for Woodward), including interim periods within the year of adoption. In transition, Woodward will be required to recognize and measure leases beginning in the earliest period presented using a modified retrospective approach; therefore, Woodward anticipates restating its Consolidated Financial Statements for the two fiscal years prior to the year of adoption. Early adoption is permitted. Woodward has not determined in which period it will adopt the new

guidance and is currently assessing the impact this guidance may have on its Consolidated Financial Statements, including which of its existing operating leases will be impacted by the new guidance. Rent expense for all operating leases in fiscal year 2015, none of which was recognized on the balance sheet, was \$7,299. As of September 30, 2015, future minimum rental payments required under operating leases, none of which were recognized on the balance sheet, were \$19,546.

In November 2015, the FASB issued ASU 2015-17, "Balance Sheet Classification of Deferred Taxes," to simplify financial reporting and more closely conform U.S. GAAP with International Financial Reporting Standards ("IFRS"). Under ASU 2015-17, Woodward will classify all deferred tax assets and liabilities by taxing jurisdiction, along with any related valuation allowances, as either a single non-current asset or liability on the balance sheet. ASU 2015-17 is effective for fiscal years – and interim periods within those fiscal years – beginning after December 15, 2016 (fiscal year 2018 for Woodward). As early adoption is allowed, Woodward adopted ASU 2015-17 during its second quarter of fiscal year 2016, and retrospectively applied the guidance to its deferred tax assets and liabilities as of September 30, 2015. The following table shows the impact of retrospectively applying this guidance to the Condensed Consolidated Balance Sheet deferred tax assets and liabilities as of September 30, 2015.

	September 30, 2015 As					
	previously reported	Adjustment	As recast			
Current deferred income tax assets	\$ 29,766	\$ (29,766)	\$ -			
Total current assets	947,476	(29,766)	917,710			
Noncurrent deferred income tax assets	9,388	3,717	13,105			
Total assets	2,539,965	(26,049)	2,513,916			
Current deferred income tax liabilities	14	(14)	-			
Total current liabilities	338,222	(14)	338,208			
Noncurrent deferred income tax liabilities	82,449	(26,035)	56,414			
Total liabilities	1,386,861	(26,049)	1,360,812			
Total liabilities and stockholders' equity	2,539,965	(26,049)	2,513,916			
Net deferred tax liabilities	43,309	_	43,309			

In April 2015, the FASB issued ASU 2015-03, "Simplifying the Presentation of Debt Issuance Costs." Under ASU 2015-03, Woodward will present debt issuance costs in the balance sheet as a reduction from the related debt liability rather than as an asset. Amortization of such costs will continue to be reported as interest expense. ASU 2015-03 is effective for fiscal years – and interim periods within those fiscal years – beginning after December 15, 2015 (fiscal year 2017 for Woodward). Early adoption is allowed. In August 2015, the FASB issued ASU 2015-15, "Presentation and Subsequent Measurement of Debt Issuance Costs Associated with Line-of-Credit Arrangements." ASU 2015-15 supplements the requirements of ASU 2015-03 by allowing an entity to defer and present debt issuance costs related to a line of credit arrangement as an asset and subsequently amortize the deferred costs ratably over the term of the line of credit arrangement. Woodward has not determined in which period it will adopt the new guidance. Retrospective adoption is required. Woodward had unamortized debt issuance costs of \$4,921 as of March 31, 2016 and \$5,521 as of September 30, 2015. Long-term debt issuance costs will be reclassified from other assets to long-term debt upon adoption.

In April 2015, the FASB issued ASU 2015-02, "Consolidation (Topic 810): Amendments to the Consolidation Analysis" in response to stakeholders' concerns about current accounting for consolidation of certain legal entities and

changes the analysis that a reporting entity must perform to determine whether it should consolidate such legal entities. ASU 2015-02 is effective for public business entities for fiscal years – and interim periods within those fiscal years – beginning after December 15, 2015, but early adoption is allowed. Woodward adopted ASU 2015-02 on January 1, 2016, concurrent with the consummation of the joint venture formation described in Note 4, "Joint ventures." The adoption of ASU 2015-02 had no impact on Woodward's conclusion that the joint venture described in Note 4 should not be consolidated following the guidance of ASC 810, Consolidation.

In May 2014, the FASB issued ASU 2014-09, "Revenue from Contracts with Customers." The purpose of ASU 2014-09 is to clarify the principles for recognizing revenue and to develop a common revenue standard for U.S. GAAP and IFRS. The amendments (i) remove inconsistencies and weaknesses in revenue requirements, (ii) provide a more robust framework for addressing revenue issues, (iii) improve comparability of revenue recognition practices across entities, industries, jurisdictions, and capital markets, (iv) provide more useful information to users of financial statements through improved

disclosure requirements, and (v) simplify the preparation of financial statements by reducing the number of requirements to which an entity must refer. In July 2015, the FASB delayed the effective date for the adoption of ASU 2014-09 by one year, and as a result, ASU 2014-09 is effective for annual reporting periods beginning after December 15, 2017 (fiscal year 2019 for Woodward), including interim periods within the reporting period. Early adoption in fiscal year 2018 is permitted for Woodward. An entity should adopt the amendments using one of the following methods: retrospectively to each prior reporting period presented or retrospectively with the cumulative effect of initially applying ASU 2014-09 recognized at the date of initial application. Woodward has not determined what transition method it will use. In March and April 2016, the FASB issued ASU 2016-08, "Revenue from Contracts with Customers (Topic 606): Principal versus Agent Considerations (Reporting Revenue Gross versus Net)" and ASU 2016-10, "Revenue from Contracts with Customers (Topic 606): Identifying Performance Obligations and Licensing" which provide supplemental adoption guidance and clarification to ASC 2014-09. ASU 2016-08 and ASU 2016-10 must be adopted concurrently with the adoption of ASU 2014-09. Woodward is currently assessing the impact that the future adoption of these guidances may have on its Condensed Consolidated Financial Statements.

#### Note 3. Earnings per share

Basic earnings per share is computed by dividing net earnings available to common stockholders by the weighted-average number of shares of common stock outstanding for the period.

Diluted earnings per share reflects the weighted-average number of shares outstanding after consideration of the dilutive effect of stock options and restricted stock.

The following is a reconciliation of net earnings to basic earnings per share and diluted earnings per share:

	Three-Months Ended		Six-Months Ended	
	March 31,		March 31,	
	2016	2015	2016	2015
Numerator:				
Net earnings	\$ 40,824	\$ 43,855	\$ 66,644	\$ 87,639
Denominator:				
Basic shares outstanding	61,639	65,159	62,351	65,242
Dilutive effect of stock options and restricted stock	1,425	1,381	1,417	1,399
Diluted shares outstanding	63,064	66,540	63,768	66,641
Income per common share:				
Basic earnings per share	\$ 0.66	\$ 0.67	\$ 1.07	\$ 1.34
Diluted earnings per share	\$ 0.65	\$ 0.66	\$ 1.05	\$ 1.32

The following stock option grants were outstanding during the three and six-months ended March 31, 2016 and 2015, but were excluded from the computation of diluted earnings per share because their inclusion would have been anti-dilutive:

Three-Months

Ended

March 31, March 31, 2016 2015 2016 2015 731 698 734 701 \$ 46.55 \$ 46.54 Weighted-average option price \$ 46.55 \$ 46.55

The weighted-average shares of common stock outstanding for basic and diluted earnings per share included the weighted-average treasury stock shares held for deferred compensation obligations of the following:

> Three-Months Six-Months Ended Ended March 31, March 31, 2016 2015 2016 2015 185 202 181 201

Weighted-average treasury stock shares held for deferred compensation obligations

10

Options

#### Note 4. Joint ventures

On January 4, 2016, Woodward and General Electric Company ("GE"), acting through its GE Aviation business unit, consummated the formation of a strategic joint venture between Woodward and GE (the "JV"). The JV designs, develops and sources the fuel system for specified existing and all future GE commercial aircraft engines that produce thrust in excess of fifty thousand pounds.

As part of the JV formation, Woodward contributed to the JV certain contractual rights and intellectual property applicable to the existing GE commercial aircraft engine programs within the scope of the JV. Woodward has no initial cost basis in the JV because Woodward had no cost basis in the contractual rights and intellectual property contributed to the JV. GE purchased from Woodward a 50% ownership interest in the JV for a \$250,000 cash payment to Woodward. In addition, GE will pay contingent consideration to Woodward consisting of fifteen annual payments of \$4,894 each per year beginning January 4, 2017 subject to certain claw-back conditions. Neither Woodward nor GE contributed any tangible assets to the JV.

Woodward determined that the JV formation was not the culmination of an earnings event because Woodward has significant performance obligations to support the future operations of the JV. Therefore, Woodward recorded the \$250,000 consideration received from GE for its purchase of a 50% equity interest in the JV as deferred income. The \$250,000 deferred income will be recognized as an increase to net sales in proportion to revenue realized on sales of applicable fuel systems within the scope of the JV in a particular period as a percentage of total revenue expected to be realized by Woodward over the estimated remaining lives of the underlying commercial aircraft engine programs assigned to the JV. As of March 31, 2016, accrued liabilities include \$6,109 and other liabilities include \$241,929 of unamortized deferred income realized upon the JV formation. Amortization of the deferred income recognized as an increase to sales was \$1,962 for the three-months ended March 31, 2016.

The \$250,000 cash consideration received from GE on January 4, 2016 is taxable upon receipt for income tax purposes but not currently recognized in earnings for book purposes. Therefore, during the three month period ended March 31, 2016, Woodward recorded estimated incremental current income taxes payable of \$94,125 and a related noncurrent deferred tax asset of \$94,125. As of March 31, 2016, current income taxes payable includes \$94,125 related to the receipt of \$250,000 from GE on January 4, 2016.

Woodward and GE jointly manage the JV and any significant decisions and/or actions of the JV require the mutual consent of both parties. Neither Woodward nor GE has a controlling financial interest in the JV, but Woodward does have the ability to significantly influence the operating and financial decisions of the JV. Therefore, Woodward is accounting for its 50% ownership interest in the JV using the equity method of accounting. Other income includes \$2,158 related to Woodward's equity interest in the earnings of the JV for the three-months ended March 31, 2016. During the three-months ended March 31, 2016, Woodward received no cash distributions from the JV and therefore, Woodward's net investment in the JV was \$2,158 as of March 31, 2016.

During the three-months ended March 31, 2016, Woodward net sales include \$15,015 of sales to the JV and a reduction to sales of \$7,016 related to royalties paid to the JV by Woodward on sales by Woodward directly to third party aftermarket customers. At March 31, 2016, the JV owed Woodward \$4,902 and Woodward owed the JV \$3,288.

#### Note 5. Financial instruments and fair value measurements

Financial assets and liabilities recorded at fair value in the Condensed Consolidated Balance Sheets are categorized based upon a fair value hierarchy established by U.S. GAAP, which prioritizes the inputs used to measure fair value into the following levels:

Level 1: Inputs based on quoted market prices in active markets for identical assets or liabilities at the measurement date.

Level 2: Quoted prices included in Level 1, such as quoted prices for similar assets or liabilities in active markets; quoted prices for identical or similar assets and liabilities in markets that are not active; or other inputs that are observable and can be corroborated by observable market data.

Level 3: Inputs reflect management's best estimates and assumptions of what market participants would use in pricing the asset or liability at the measurement date. The inputs are unobservable in the market and significant to the valuation of the instruments.

The table below presents information about Woodward's financial assets that are measured at fair value on a recurring basis and indicates the fair value hierarchy of the valuation techniques Woodward utilized to determine such fair value.

Woodward had no financial liabilities required to be measured at fair value on a recurring basis as of March 31, 2016 or September 30, 2015.

	At March 31, 2016			At September 30, 2015				
	Level Level					Level	Level	
	Level 1	2	3	Total	Level 1	2	3	Total
Financial assets:								
Cash	\$ 83,582	\$ -	\$ -	\$ 83,582	\$ 79,517	\$ -	\$ -	\$ 79,517
Investments in money market funds	33	-	-	33	20	-	-	20
Investments in reverse repurchase								
agreements	1,130	-	-	1,130	2,665	-	-	2,665
Equity securities	11,683	-	-	11,683	9,883	-	-	9,883
Total financial assets	\$ 96,428	\$ -	\$ -	\$ 96,428	\$ 92,085	\$ -	\$ -	\$ 92,085

Investments in money market funds: Woodward sometimes invests excess cash in money market funds not insured by the Federal Depository Insurance Corporation ("FDIC"). Woodward believes that the investments in money market funds are on deposit with creditworthy financial institutions and that the funds are highly liquid. The investments in money market funds are reported at fair value, with realized gains from interest income realized in earnings and are included in "Cash and cash equivalents." The fair values of Woodward's investments in money market funds are based on the quoted market prices for the net asset value of the various money market funds.

Investments in reverse repurchase agreements: Woodward sometimes invests excess cash in reverse repurchase agreements. Under the terms of Woodward's reverse repurchase agreements, Woodward purchases an interest in a pool of securities and is granted a security interest in those securities by the counterparty to the reverse repurchase agreement. At an agreed upon date, generally the next business day, the counterparty repurchases Woodward's interest in the pool of securities at a price equal to what Woodward paid to the counterparty plus a rate of return determined daily per the terms of the reverse repurchase agreement. Woodward believes that the investments in these reverse repurchase agreements are with creditworthy financial institutions and that the funds invested are highly liquid. The investments in reverse repurchase agreements are reported at fair value, with realized gains from interest income realized in earnings, and are included in "Cash and cash equivalents." Since the investments are generally overnight, the carrying value is considered to be equal to the fair value as the amount is deemed to be a cash deposit with no risk of change in value as of the end of each fiscal quarter.

Equity securities: Woodward holds marketable equity securities, through investments in various mutual funds, related to its deferred compensation program. Based on Woodward's intentions regarding these instruments, marketable equity securities are classified as trading securities. The trading securities are reported at fair value, with realized gains and losses recognized in "Other (income) expense, net." The trading securities are included in "Other assets." The fair values of Woodward's trading securities are based on the quoted market prices for the net asset value of the various mutual funds.

Accounts receivable, accounts payable and short-term debt are not remeasured to fair value, as the carrying cost of each approximates its respective fair value. The estimated fair values and carrying costs of other financial instruments that are not required to be remeasured at fair value in the Condensed Consolidated Balance Sheets were as follows:

	Fair Value Hierarchy Level	At March 31 Estimated Fair Value	, 2016 Carrying Cost	At Septembe Estimated Fair Value	er 30, 2015 Carrying Cost
Assets:					
Notes receivable from municipalities	2	\$ 16,988	\$ 16,025	\$ 16,112	\$ 15,638
Liabilities:					
Long-term debt, excluding current					
portion	2	\$ (647,909)	\$ (617,000)	\$ (873,734)	\$ (850,000)

In fiscal years 2014 and 2013, Woodward received long-term notes from a municipality within the state of Illinois in connection with certain economic incentives related to Woodward's development of a second campus in the greater-Rockford, Illinois area for its Aerospace segment. The fair value of the long-term notes was estimated based on a model that discounted future principal and interest payments received at an interest rate available to the Company at the end of the period for similarly rated municipal notes of similar maturity, which is a level 2 input as defined by the U.S. GAAP fair value

hierarchy. The interest rates used to estimate the fair value of the long-term notes were 2.4% at March 31, 2016 and 3.0% at September 30, 2015.

In fiscal year 2013, Woodward received a long-term note from a municipality within the state of Colorado in connection with certain economic incentives related to Woodward's development of a new campus at its corporate headquarters in Fort Collins, Colorado. The fair value of the long-term note was estimated based on a model that discounted future principal and interest payments received at an interest rate available to the Company at the end of the period for similarly rated municipal notes of similar maturity, which is a level 2 input as defined by the U.S. GAAP fair value hierarchy. The interest rates used to estimate the fair value of the long-term note were 2.4% at March 31, 2016 and 3.0% at September 30, 2015.

The fair value of long-term debt was estimated based on a model that discounted future principal and interest payments at interest rates available to the Company at the end of the period for similar debt of the same maturity, which is a level 2 input as defined by the U.S. GAAP fair value hierarchy. The weighted-average interest rates used to estimate the fair value of long-term debt were 2.6% at March 31, 2016 and 2.8% at September 30, 2015.

#### Note 6. Derivative instruments and hedging activities

Woodward has exposures related to global market risks, including the effect of changes in interest rates, foreign currency exchange rates, changes in certain commodity prices and fluctuations in various producer indices. From time to time, Woodward enters into derivative instruments for risk management purposes only, including derivatives designated as accounting hedges and/or those utilized as economic hedges. Woodward uses interest rate related derivative instruments to manage its exposure to fluctuations of interest rates. Woodward does not enter into or issue derivatives for trading or speculative purposes.

By using derivative and/or hedging instruments to manage its risk exposure, Woodward is subject, from time to time, to credit risk and market risk on those derivative instruments. Credit risk arises from the potential failure of the counterparty to perform under the terms of the derivative and/or hedging instrument. When the fair value of a derivative contract is positive, the counterparty owes Woodward, which creates credit risk for Woodward. Woodward mitigates this credit risk by entering into transactions with only creditworthy counterparties. Market risk arises from the potential adverse effects on the value of derivative and/or hedging instruments that result from a change in interest rates, commodity prices, or foreign currency exchange rates. Woodward minimizes this market risk by establishing and monitoring parameters that limit the types and degree of market risk that may be undertaken.

Woodward did not enter into any derivatives or hedging transactions during any of the three or six-months ended March 31, 2016 or March 31, 2015.

The remaining unrecognized gains and losses in Woodward's Condensed Consolidated Balance Sheets associated with derivative instruments that were previously entered into by Woodward, which are classified in accumulated other comprehensive losses ("accumulated OCI"), were net gains of \$326 as of March 31, 2016 and \$269 as of September 30, 2015.

The following table discloses the impact of derivative instruments in cash flow hedging relationships on Woodward's Consolidated Statements of Earnings, recognized in interest expense:

	Three-	Months	Six-M	lonths
	Ended	March	Ended	l
	31,		March	ı 31,
	2016	2015	2016	2015
Amount of (income) expense recognized in earnings on derivative	\$ 28	\$ 24	\$ 57	\$ 49
Amount of (gain) loss recognized in accumulated OCI on derivative	-	-	-	-
Amount of (gain) loss reclassified from accumulated OCI into earnings	28	24	57	49

Based on the carrying value of the realized but unrecognized gains and losses on terminated derivative instruments designated as cash flow hedges as of March 31, 2016, Woodward expects to reclassify \$72 of net unrecognized gains on terminated derivative instruments from accumulated other comprehensive earnings to earnings during the next twelve months.

In June 2015, Woodward designated an intercompany loan of 160,000 RMB between two wholly owned subsidiaries as a hedge of a foreign currency exposure of the net investment of the borrower in the lender. An unrealized foreign exchange

gain on the loan of \$517 is included in foreign currency translation adjustments within total comprehensive earnings for the six-months ended March 31, 2016.

Note 7. Supplemental statement of cash flows information

	Six-Month	is Ended
	March 31,	
	2016	2015
Interest paid, net of amounts capitalized	\$ 18,127	\$ 15,507
Income taxes paid	7,470	31,060
Income tax refunds received	1,361	387
Non-cash activities:		
Purchases of property, plant and equipment on account	12,028	54,381
Property, plant and equipment acquired by capital lease	1,239	-
Common shares issued from treasury to settle benefit plan obligations (Note 17)	13,999	12,574
Purchases of treasury stock on account	1,745	-
Cashless exercise of stock options	555	-

Note 8. Inventories

September March 31, 30,

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	2016	2015
Raw materials	\$ 60,508	\$ 63,896
Work in progress	111,213	91,501
Component parts (1)	265,445	248,047
Finished goods	55,494	44,220
	\$ 492,660	\$ 447,664

(1) Component parts include items that can be sold separately as finished goods or included in the manufacture of other products.

Note 9. Property, plant, and equipment

		September
	March 31,	30,
	2016	2015
Land and land improvements	\$ 87,632	\$ 79,311
Buildings and building improvements	499,987	372,160
Leasehold improvements	12,797	16,907
Machinery and production equipment	381,243	365,040
Computer equipment and software	111,287	118,154
Office furniture and equipment	22,268	20,939
Other	18,360	18,325
Construction in progress	185,177	252,763
	1,318,751	1,243,599
Less accumulated depreciation	(492,779)	(487,499)
Property, plant and equipment, net	\$ 825,972	\$ 756,100

Included in "Land and land improvements" and "Buildings and improvements" are assets held for sale of \$686 at March 31, 2016 and \$681 at September 30, 2015 related to Woodward's Industrial segment. The entire change in value is due to

changes in foreign currency exchange rates between September 30, 2015 and March 31, 2016. The sale of these assets was completed on April 15, 2016.

Included in "Office furniture and equipment" and "Other" is \$1,239 of gross assets acquired on capital leases.

In fiscal year 2015, Woodward completed and placed into service a manufacturing and office building on a second campus in the greater-Rockford, Illinois area and has begun occupying the new facility for its Aerospace segment. This campus is intended to support Woodward's expected growth in its Aerospace segment over the next ten years and beyond, required as a result of Woodward being awarded a substantial number of new system platforms, particularly on narrow-body aircraft. Included in "Construction in progress" are costs of \$72,244 at March 31, 2016 and \$47,629 at September 30, 2015, associated with new equipment purchases for the second campus including capitalized interest of \$1,369 at March 31, 2016 and \$499 at September 30, 2015.

Woodward is also developing a new campus at its corporate headquarters in Fort Collins, Colorado to support the continued growth of its Industrial segment by supplementing its existing Colorado manufacturing facilities and corporate headquarters. Included in "Construction in progress" are \$48,606 at March 31, 2016 and \$151,669 at September 30, 2015, associated with the construction of the new campus including capitalized interest of \$934 at March 31, 2016 and \$5,205 at September 30, 2015. Woodward began occupying the new campus during its second quarter of fiscal year 2016. Approximately \$135,000 of assets were placed in service during the three-months ended March 31, 2016, and were recorded to "Buildings and building improvements."

Concurrent with and in relation to Woodward's significant investment in three new campuses and related equipment in the greater-Rockford, Illinois area, its corporate headquarters in Fort Collins, Colorado (discussed above), and a new campus in Niles, Illinois (that was completed in fiscal year 2015), Woodward initiated a comprehensive review of its depreciation lives as required by U.S. GAAP to evaluate the estimates of the useful lives of Woodward assets. This review resulted in estimates of the useful lives of both existing and new assets generally in excess of those utilized prior to fiscal year 2016. The revised estimates will be used in fiscal year 2016 and going forward and result in a downward adjustment of depreciation on existing assets of approximately \$12,000 for fiscal year 2016.

For the three and six-months ended March 31, 2016 and March 31, 2015, Woodward had depreciation expense as follows:

Three-Months

Ended Six-Months Ended

March 31, March 31,

2016 2015 2016 2015

Depreciation expense \$ 8,633 \$ 11,449 \$ 18,749 \$ 22,447

For the three and six-months ended March 31, 2016 and March 31, 2015, Woodward capitalized interest that would have otherwise been included in interest expense of the following:

Three-Months

Ended Six-Months Ended

March 31, March 31,

2016 2015 2016 2015

Capitalized interest \$ 2,267 \$ 2,801 \$ 4,140 \$ 4,766

Note 10. Goodwill

		Effects of	
		Foreign	
	September	Currency	March 31,
	30, 2015	Translation	2016
Aerospace	\$ 455,423	\$ -	\$ 455,423
Industrial	101,554	(257)	101,297
Consolidated	\$ 556,977	\$ (257)	\$ 556,720

Woodward tests goodwill for impairment at the reporting unit level on an annual basis and more often if an event occurs or circumstances change that would more likely than not reduce the fair value of a reporting unit below its carrying amount. Woodward completed its annual goodwill impairment test as of July 31, 2015 during the quarter ended September 30, 2015. At that date, Woodward determined it was appropriate to aggregate certain components of the same operating segment into a

single reporting unit. The fair value of each of Woodward's reporting units was determined using a discounted cash flow method. This method represents a level 3 input and incorporates various estimates and assumptions, the most significant being projected revenue growth rates, earnings margins, future tax rates, and the present value, based on an estimated weighted-average cost of capital (or the discount rate) and terminal growth rate, of forecasted cash flows. Management projects revenue growth rates, earnings margins and cash flows based on each reporting unit's current operational results, expected performance and operational strategies over a ten-year period. These projections are adjusted to reflect current economic conditions and demand for certain products, and require considerable management judgment.

Forecasted cash flows used in the July 31, 2015 impairment test were discounted using weighted-average cost of capital assumptions ranging from 9.49% to 12.83%. The terminal values of the forecasted cash flows were calculated using the Gordon Growth Model and assumed an annual compound growth rate after ten years of 4.03%. These inputs, which are unobservable in the market, represent management's best estimate of what market participants would use in determining the present value of the Company's forecasted cash flows. Changes in these estimates and assumptions can have a significant impact on the fair value of forecasted cash flows. Woodward evaluated the reasonableness of the reporting units' resulting fair values utilizing a market multiple method.

The results of Woodward's goodwill impairment tests performed as of July 31, 2015 did not indicate impairment of any of Woodward's reporting units.

Note 11. Intangible assets, net

	March 31, 2 Gross	2016	Net	September 3 Gross	30, 2015	Net
	Carrying Value	Accumulated Amortization	Carrying Amount	Carrying Value	Accumulated Amortization	Carrying Amount
Customer relationships and contracts:						
Aerospace	\$ 282,225	\$ (125,194)	\$ 157,031	\$ 282,225	\$ (116,232)	\$ 165,993
Industrial	40,992	(32,996)	7,996	41,409	(32,891)	8,518
Total	\$ 323,217	\$ (158,190)	\$ 165,027	\$ 323,634	\$ (149,123)	\$ 174,511
Intellectual property:						
Aerospace	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Industrial	19,431	(17,471)	1,960	19,445	(16,921)	2,524
Total	\$ 19,431	\$ (17,471)	\$ 1,960	\$ 19,445	\$ (16,921)	\$ 2,524
Process technology:						
Aerospace	\$ 76,605	\$ (40,321)	\$ 36,284	\$ 76,605	\$ (37,411)	\$ 39,194
Industrial	22,977	(15,428)	7,549	22,924	(14,621)	8,303
Total	\$ 99,582	\$ (55,749)	\$ 43,833	\$ 99,529	\$ (52,032)	\$ 47,497
Other intangibles:						
Aerospace	\$ -	\$ -	\$ -	\$ 1,400	\$ (1,300)	\$ 100
Industrial	1,259	(790)	469	1,248	(742)	506
Total	\$ 1,259	\$ (790)	\$ 469	\$ 2,648	\$ (2,042)	\$ 606

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Total intangibles:

	A 250 020	Φ (165.515)	A 100 015	A 260 220	<b>A</b> (154042)	A 205 205
Aerospace	\$ 358,830	\$ (165,515)	\$ 193,315	\$ 360,230	\$ (154,943)	\$ 205,287
Industrial	84,659	(66,685)	17,974	85,026	(65,175)	19,851
Consolidated Total	\$ 443,489	\$ (232,200)	\$ 211.289	\$ 445,256	\$ (220,118)	\$ 225,138

For the three and six-months ended March 31, 2016 and March 31, 2015, Woodward recorded amortization expense associated with intangibles of the following:

Three-Months

Ended Six-Months Ended

March 31, March 31,

2016 2015 2016 2015

Amortization expense \$ 6,926 \$ 7,227 \$ 13,872 \$ 14,802

Future amortization expense associated with intangibles is expected to be:

Year Ending September 30:

2016 (remaining)	\$ 13,622
2017	25,812
2018	24,989
2019	23,152
2020	20,362
Thereafter	103,352
	\$ 211,289

Note 12. Credit facilities, short-term borrowings and long-term debt

#### Short-term borrowings

A Chinese subsidiary of Woodward has a local uncommitted credit facility with the Hong Kong and Shanghai Banking Company under which it has the ability to borrow up to either \$22,700, or the local currency equivalent of \$22,700. Any cash borrowings under the local Chinese credit facility are secured by a parent guarantee from Woodward. The Chinese subsidiary may utilize the local facility for cash borrowings to support its operating cash needs. Local currency borrowings on the Chinese credit facility are charged interest at the prevailing interest rate offered by the People's Bank of China on the date of borrowing, plus a margin equal to 15% of that prevailing rate. U.S. dollar borrowings on the credit facility are charged interest at the lender's cost of borrowing rate at the date

of borrowing, plus 3%. The local credit facility expires in September 2016. The Chinese subsidiary had no outstanding cash borrowings against the local credit facility at March 31, 2016 and September 30, 2015.

A Brazilian subsidiary of Woodward has a local uncommitted credit facility with the Banco J.P. Morgan S.A. under which it has the ability to borrow up to 52,000 Brazilian Real. Any cash borrowings under the local Brazilian credit facility are secured by a parent guarantee from Woodward. The Brazilian subsidiary may utilize the local facility to support its operating cash needs. Local currency borrowings on the Brazilian credit facility are charged interest at the lender's cost of borrowing rate at the date of borrowing, plus 1.75%. The local credit facility expires on July 26, 2016. The Brazilian subsidiary had no outstanding cash borrowings at March 31, 2016 and \$2,430 of outstanding cash borrowings at September 30, 2015 against the local credit facility.

Woodward also has other foreign lines of credit and foreign overdraft facilities at various financial institutions, which are generally reviewed annually for renewal and are subject to the usual terms and conditions applied by the financial institutions. Pursuant to the terms of the related facility agreements, Woodward's foreign performance guarantee facilities are limited in use to providing performance guarantees to third parties. There were no borrowings outstanding as of March 31, 2016 and September 30, 2015 on Woodward's other foreign lines of credit and foreign overdraft facilities.

## Long-term debt

	March 31,	September 30,
	2016	2015
Revolving credit facility - Floating rate (LIBOR plus 0.85% - 1.65%), due April 2020,		
unsecured	\$ 267,000	\$ 350,000
Series C notes – 5.92%, due October 2015; unsecured	-	50,000
Series D notes – 6.39%, due October 2018; unsecured	100,000	100,000
Series E notes – 7.81%, due April 2016; unsecured	57,000	57,000
Series F notes – 8.24%, due April 2019; unsecured	43,000	43,000
Series G notes – 3.42%, due November 2020; unsecured	50,000	50,000
Series H notes – 4.03%, due November 2023; unsecured	25,000	25,000
Series I notes – 4.18%, due November 2025; unsecured	25,000	25,000
Series J notes – Floating rate (LIBOR plus 1.25%), due November 2020; unsecured	50,000	50,000
Series K notes – 4.03%, due November 2023; unsecured	50,000	50,000
Series L notes – 4.18%, due November 2025; unsecured	50,000	50,000
Total debt	717,000	850,000
Less: short-term portion of long-term debt	(100,000)	-
Long-term debt, excluding short-term portion	\$ 617,000	\$ 850,000
Revolving credit facility		

Woodward maintains a \$1,000,000 revolving credit facility established under a revolving credit agreement between Woodward and a syndicate of lenders led by Wells Fargo Bank, National Association, as administrative agent (the "Revolving Credit Agreement"). The Revolving Credit Agreement provides for the option to increase available borrowings to up to \$1,200,000, subject to lenders' participation. Borrowings under the Revolving Credit Agreement generally bear interest at LIBOR plus 0.85% to 1.65%. The Revolving Credit Agreement matures in April 2020. Under the Revolving Credit Agreement, there were \$267,000 in principal amount of borrowings outstanding as of March 31, 2016, at an effective interest rate of 1.68%. Under the Revolving Credit Agreement, there were \$350,000 in principal amount of borrowings outstanding as of September 30, 2015, at an effective interest rate of 1.44%. As of March 31, 2016, \$100,000 of the \$267,000 of borrowings under the Revolving Credit Agreement were classified as short-term based on Woodward's intent and ability to pay this amount in the next twelve months. As of September 30, 2015, the entire outstanding balance on the Revolving Credit Agreement was classified as long-term debt.

#### The Notes

In October 2008, Woodward entered into a note purchase agreement (the "2008 Note Purchase Agreement") relating to the Series B, C, and D Notes (the "2008 Notes"). In April 2009, Woodward entered into a note purchase agreement (the "2009 Note Purchase Agreement") relating to the Series E and F Notes (the "2009 Notes").

On October 1, 2013, Woodward entered into a note purchase agreement (the "2013 Note Purchase Agreement" and, together with the 2008 Note Purchase Agreement and the 2009 Note Purchase Agreement, the "Note Purchase Agreements") relating to the sale by Woodward of an aggregate principal amount of \$250,000 of its senior unsecured notes in a series of private placement transactions.

Woodward issued the Series G, H and I Notes (the "First Closing Notes") on October 1, 2013. Woodward issued the Series J, K and L Notes (the "Second Closing Notes" and, together with the 2008 Notes, 2009 Notes and First Closing

Notes, the "Notes") on November 15, 2013.

Interest on the 2008 Notes, the First Closing Notes, and the Series K and L Notes is payable semi-annually on April 1 and October 1 of each year until all principal is paid. Interest on the 2009 Notes is payable semi-annually on April 15 and October 15 of each year until all principal is paid. Interest on the Series J Notes is payable quarterly on January 1, April 1, July 1 and October 1 of each year until all principal is paid. As of March 31, 2016, the Series J Notes bore interest at an effective rate of 1.87%.

On October 1, 2015, Woodward paid the entire principal balance of \$50,000 on the Series C notes using borrowings under the Revolving Credit Agreement. On April 4, 2016, Woodward paid the entire principal balance of \$57,000 on the Series E notes using borrowings under the Revolving Credit Agreement.

#### Note 13. Accrued liabilities

	Marah 21	September
	March 31,	30,
	2016	2015
Salaries and other member benefits	\$ 53,808	\$ 90,472
Warranties	15,553	13,741
Interest payable	11,025	12,526
Current portion of acquired performance obligations and unfavorable contracts (1)	4,663	6,651
Accrued retirement benefits	2,479	2,481
Current portion of loss reserve on contractual lease commitments	1,840	-
Current portion of deferred income from JV formation (Note 4)	6,109	-
Deferred revenues	7,688	10,004
Taxes, other than income	8,709	8,723
Other	11,523	11,338
	\$ 123,397	\$ 155,936

(1) In connection with Woodward's acquisition of GE Aviation Systems LLC's (the "Seller") thrust reverser actuation systems business located in Duarte, California (the "Duarte Acquisition") in fiscal year 2013, Woodward assumed current and long-term performance obligations for contractual commitments that are expected to result in future economic losses. In addition, Woodward assumed current and long-term performance obligations for services to be provided to the Seller and others, partially offset by current and long-term assets related to contractual payments due from the Seller. The current portion of both obligations is included in Accrued liabilities.

## Warranties

Provisions of Woodward's sales agreements include product warranties customary to these types of agreements. Accruals are established for specifically identified warranty issues that are probable to result in future costs. Warranty costs are accrued on a non-specific basis whenever past experience indicates a normal and predictable pattern exists. Changes in accrued product warranties were as follows:

Six-Months Ended March 31, 2016 2015 \$ 13,741 \$ 16,916

Warranties, beginning of period

Expense	6,411	3,922
Reductions for settling warranties	(4,743)	(5,965)
Foreign currency exchange rate changes	144	(866)
Warranties, end of period	\$ 15,553	\$ 14,007

## Loss reserve on contractual lease commitments

In connection with the construction of a new production facility in Niles, Illinois, Woodward vacated a leased facility in Skokie, Illinois. During the first quarter of fiscal year 2016 Woodward fully vacated the Skokie facility and therefore recorded a charge of \$8,165 to recognize a loss reserve against the estimated remaining contractual lease commitments, less anticipated sublease income.

The summary for the activity in the loss reserve during the three and six-months ended March 31, 2016 is as follows:

	Three-Months Ended March 31, 2016	Six-Months Ended March 31, 2016
Loss reserve on contractual lease commitments, beginning of period	\$ 10,629	\$ 2,464
Additions	-	8,165
Reductions	(857)	(857)
Loss reserve on contractual lease commitments, end of period	\$ 9,772	\$ 9,772

Other liabilities included \$7,932 of accrued loss reserve on contractual lease commitments that are not expected to be settled or paid within twelve months of March 31, 2016.

Note 14. Other liabilities

	March 31, 2016		September 2015	30,
Net accrued retirement				
benefits, less amounts				
recognized within				
accrued liabilities	\$	54,224	\$	55,259
Noncurrent portion of				
deferred income from				
JV formation (1)		241,929		-
Total unrecognized tax				
benefits, net of				
offsetting adjustments		15,234		15,394
Acquired unfavorable				
contracts (2)		3,553		4,656
Deferred economic				
incentives (3)		18,424		19,163
Loss reserve on				
contractual lease				
commitments (4)		7,932		2,464
Other		11,973		19,254
	\$	353,269	\$	116,190

<sup>(1)</sup> See Note 4, Joint venture for more information on the deferred income from JV formation.

<sup>(2)</sup> In connection with the Duarte business acquisition in fiscal year 2013, Woodward assumed current and long-term performance obligations for contractual commitments that are expected to result in future economic losses. The long-term portion of the acquired unfavorable contracts is included in Other liabilities.

Woodward receives certain economic incentives from various state and local authorities related to capital expansion projects. Such amounts are initially recorded as deferred credits and will be recognized as a reduction to non-income tax expense over the economic lives of the related capital expansion projects.

(4) See Note 13, Accrued liabilities for more information on the loss reserve on contractual lease commitments.

Note 15. Other (income) expense, net

Equity interest in the earnings of the JV (Note 4)
Net gain on sales of assets
Rent income
Net gain on investments in deferred compensation program
Other

Three-Mo	nths		
Ended		Six-Month	s Ended
March 31,		March 31,	
2016	2015	2016	2015
\$ (2,158)	\$ -	\$ (2,158)	\$ -
1	(658)	(1,601)	(718)
(83)	(135)	(184)	(260)
(130)	(256)	(434)	(490)
(57)	(35)	(59)	(71)
\$ (2,427)	\$ (1,084)	\$ (4,436)	\$ (1,539)

## Note 16. Income taxes

U.S. GAAP requires that the interim period tax provision be determined as follows:

· At the end of each quarter, Woodward estimates the tax that will be provided for the current fiscal year stated as a percentage of estimated "ordinary income." The term ordinary income refers to earnings from continuing operations before income taxes, excluding significant unusual or infrequently occurring items.

The estimated annual effective rate is applied to the year-to-date ordinary income at the end of each quarter to compute the estimated year-to-date tax applicable to ordinary income. The tax expense or benefit related to ordinary

income in each quarter is the difference between the most recent year-to-date and the prior quarter year-to-date computations.

• The tax effects of significant unusual or infrequently occurring items are recognized as discrete items in the interim period in which the events occur. The impact of changes in tax laws or rates on deferred tax amounts, the effects of changes in judgment about beginning of the year valuation allowances, and changes in tax reserves resulting from the finalization of tax audits or reviews are examples of significant unusual or infrequently occurring items that are recognized as discrete items in the interim period in which the event occurs.

The determination of the annual effective tax rate is based upon a number of significant estimates and judgments, including the estimated annual pretax income of Woodward in each tax jurisdiction in which it operates, and the development of tax planning strategies during the year. In addition, as a global commercial enterprise, Woodward's tax expense can be impacted by changes in tax rates or laws, the finalization of tax audits and reviews, changes in the estimate of the amount of undistributed foreign earnings that Woodward considers indefinitely reinvested, and other factors that cannot be predicted with certainty. As such, there can be significant volatility in interim tax provisions.

The following table sets forth the tax expense and the effective tax rate for Woodward's earnings before income taxes:

	Three-Mo	nths Ended	Six-Months Ended		
	March 31,		March 31,		
	2016 2015		2016	2015	
Earnings before income taxes	\$ 54,366	\$ 57,591	\$ 82,322	\$ 114,663	
Income tax expense	13,542	13,736	15,678	27,024	
Effective tax rate	24.9%	23.9%	19.0%	23.6%	

The increase in the year-over-year effective tax rate for the second quarter of fiscal year 2016, is primarily attributable to a smaller favorable release of foreign valuation allowances in the second quarter of fiscal year 2016 as compared to the same period last year. This increase was partially offset by the permanent extension, in the first quarter of fiscal year 2016, of the U.S. research and experimentation credit ("R&E Credit") and the adoption of ASU 2016-09 that resulted in a favorable adjustment for the net excess income tax benefits from stock compensation in the second quarter of fiscal year 2016.

The decrease in the year-over-year effective tax rate for the six-months ended March 31, 2016 is primarily attributable to the permanent extension of the R&E Credit and favorable adjustment for the net excess income tax benefits from stock compensation in the current fiscal year, partially offset by a smaller favorable release of foreign valuation allowances in the current fiscal year. The retroactive portion of the R&E Credit related to the nine-months ended September 30, 2015 was \$5,197 and was included in the results of the first quarter of fiscal year 2016.

Gross unrecognized tax benefits were \$20,827 as of March 31, 2016, and \$21,469 as of September 30, 2015. Included in the balance of unrecognized tax benefits were \$9,780 as of March 31, 2016 and \$10,494 as of September 30, 2015, of tax benefits that, if recognized, would affect the effective tax rate. At this time, Woodward estimates that it is reasonably possible that the liability for unrecognized tax benefits will decrease by as much as \$3,385 in the next twelve months due to the completion of reviews by tax authorities and the settlement of tax positions. Woodward accrues for potential interest and penalties related to unrecognized tax benefits in tax expense. Woodward had accrued gross interest and penalties of \$896 as of March 31, 2016 and \$859 as of September 30, 2015.

Woodward's tax returns are subject to audits by U.S. federal, state, and foreign tax authorities, and these audits are at various stages of completion at any given time. Reviews of tax matters by authorities and lapses of the applicable statutes of limitations may result in changes to tax expense. Fiscal years remaining open to examination in significant foreign jurisdictions include 2008 and forward. Woodward has concluded U.S. federal income tax examinations through fiscal year 2012. Woodward is generally subject to U.S. state income tax examinations for fiscal years 2012 and forward.

#### Note 17. Retirement benefits

Woodward provides various retirement benefits to eligible members of the Company, including contributions to various defined contribution plans, pension benefits associated with defined benefit plans, postretirement medical benefits and postretirement life insurance benefits. Eligibility requirements and benefit levels vary depending on employee location.

# Defined contribution plans

Most of the Company's U.S. employees are eligible to participate in the U.S. defined contribution plan. The U.S. defined contribution plan allows employees to defer part of their annual income for income tax purposes into their personal

401(k) accounts. The Company makes matching contributions to eligible employee accounts, which are also deferred for employee personal income tax purposes. Certain foreign employees are also eligible to participate in foreign plans.

Most of Woodward's U.S. employees with at least two years of service receive an annual contribution of Woodward stock, equal to 5% of their eligible prior year wages, to their personal Woodward Retirement Savings Plan accounts. In the second quarter of fiscal years 2016 and 2015, Woodward fulfilled its annual Woodward stock contribution obligation using shares held in treasury stock by issuing 317 shares or common stock for a total value of \$13,999 in fiscal year 2016 and 259 shares of common stock for a total value of \$12,574 in fiscal year 2015. The increase in the annual 5% stock contribution is primarily related to a specified group of additional employees becoming eligible for the 5% stock contribution on January 1, 2015 in exchange for freezing one of Woodward's defined benefit pension plans for that group.

The amount of expense associated with defined contribution plans was as follows:

Three-Months

Ended Six-Months Ended

March 31, March 31,

2016 2015 2016 2015

Company costs \$ 7,478 \$ 6,841 \$ 15,482 \$ 13,019

#### Defined benefit plans

Woodward has defined benefit plans that provide pension benefits for certain retired employees in the United States, the United Kingdom, and Japan. Woodward also provides other postretirement benefits to its employees including postretirement medical benefits and life insurance benefits. Postretirement medical benefits are provided to certain current and retired employees and their covered dependents and beneficiaries in the United States and the United Kingdom. Life insurance benefits are provided to certain retirees in the United States under frozen plans, which are no longer available to current employees. A September 30 measurement date is utilized to value plan assets and obligations for all of Woodward's defined benefit pension and other postretirement benefit plans.

U.S. GAAP requires that, for obligations outstanding as of September 30, 2015, the funded status reported in interim periods shall be the same asset or liability recognized in the previous year end statement of financial position adjusted for (a) subsequent accruals of net periodic benefit cost that exclude the amortization of amounts previously recognized in other comprehensive income (for example, subsequent accruals of service cost, interest cost, and return on plan assets) and (b) contributions to a funded plan or benefit payments.

Effective June 30, 2015, the Company terminated the defined benefit pension plan for employees at its Duarte, California manufacturing facility. The plan, which was established in fiscal year 2013 in connection with the December 2012 acquisition of the Duarte business, was amended in fiscal year 2013 to cease all future benefit accruals under the plan and was at that time closed to new entrants. Cash payout of benefits will occur after regulatory approval of the plan termination. In exchange for the freeze and termination of the plan, which were agreed upon through negotiations with the applicable employee union, the employees were provided replacement benefits through full participation in the Woodward U.S. defined contribution plan. Woodward does not expect future cash payouts to the beneficiaries of the terminated plan to be significantly different from the approximately \$221 liability reflected in Woodward's statement of financial position as of March 31, 2016.

The components of the net periodic retirement pension costs recognized are as follows:

	Three-Months Ended March 31,					
	United Sta		Other Cou		Total	
	2016	2015	2016	2015	2016	2015
Service cost	\$ 424	\$ 505	\$ 185	\$ 195	\$ 609	\$ 700
Interest cost	1,309	1,489	411	522	1,720	2,011
Expected return on plan assets	(2,535)	(2,662)	(666)	(745)	(3,201)	(3,407)
Amortization of:					-0.5	
Net actuarial (gain) loss	323	99	63	46	386	145
Prior service cost (benefit)	96	96	-	-	96	96
Net periodic retirement pension (benefit) cost	\$ (383)	\$ (473)	\$ (7)	\$ 18	\$ (390)	\$ (455)
Contributions paid	\$ -	\$ -	\$ 139	\$ 121	\$ 139	\$ 121
	Six-Montl	hs Ended M	Iarch 31,			
	United Sta	ates	Other Cou	ıntries	Total	
	2016	2015	2016	2015	2016	2015
Service cost	\$ 1,098	\$ 1,009	\$ 371	\$ 397	\$ 1,469	\$ 1,406
Interest cost	2,626	2,986	846	1,068	3,472	4,054
Expected return on plan assets Amortization of:	(5,077)	(5,332)	(1,363)	(1,523)	(6,440)	(6,855)
Net actuarial (gain) loss	646	198	128	95	774	293
Prior service cost (benefit)	192	192	-	-	192	192
Net periodic retirement pension (benefit) cost	\$ (515)	\$ (947)	\$ (18)	\$ 37	\$ (533)	\$ (910)
Contributions paid						

The components of the net periodic other postretirement benefit costs recognized are as follows:

	Three-Months		Six-Months		
	Ended		Ended		
	March 31,		March 3	1,	
	2016	2015	2016	2015	
Service cost	\$ 6	\$8	\$ 11	\$ 15	
Interest cost	262	309	524	617	
Amortization of:					
Net actuarial (gain) loss	39	(18)	78	(36)	
Prior service cost (benefit)	(39)	(39)	(79)	(79)	
Net periodic other postretirement (benefit) cost	\$ 268	\$ 260	\$ 534	\$ 517	
Contributions paid	\$ 840	\$ 575	\$ 1,221	\$ 901	

The amount of cash contributions made to these plans in any year is dependent upon a number of factors, including minimum funding requirements in the jurisdictions in which Woodward operates and arrangements made with trustees of

certain foreign plans. As a result, the actual funding in fiscal year 2016 may differ from the current estimate. Woodward estimates its remaining cash contributions in fiscal year 2016 will be as follows:

Retirement pension benefits:

United States \$ 24 United Kingdom 279 Japan -Other postretirement benefits 2,882

### Multiemployer defined benefit plans

Woodward operates two multiemployer defined benefit plans for certain employees in the Netherlands and Japan. The amounts of contributions associated with the multiemployer plans were as follows:

Three-Months Six-Months
Ended Ended
March 31, March 31,
2016 2015 2016 2015
\$ 157 \$ 143 \$ 287 \$ 310

Company contributions \$ 157 \$ 143 \$ 287 \$ 310

Note 18. Stockholders' equity

#### Stock repurchase program

In the second quarter of fiscal year 2015, Woodward's Board of Directors terminated Woodward's prior stock repurchase program and replaced it with a new program for the repurchase of up to \$300,000 of Woodward's outstanding shares of common stock on the open market or in privately negotiated transactions over a three-year period that will end in 2018 (the "2015 Authorization").

In the third quarter of fiscal year 2015, Woodward entered into an accelerated share repurchase agreement (the "ASR Agreement") with Goldman, Sachs & Co. ("Goldman") under which Woodward repurchased shares of its common stock for an aggregate purchase price of \$125,000. A total of 2,506 shares of common stock were repurchased under the ASR Agreement under the 2015 Authorization.

In the first quarter of fiscal year 2016, Woodward executed a 10b5-1 plan, which is cancellable, to repurchase up to \$125,000 of its common stock for a period that will end on April 20, 2016. During the first half of fiscal year 2016, Woodward purchased 2,523 shares of its common stock for \$119,119 under the 10b5-1 plan under the 2015

Authorization.

Stock options

Woodward has reserved a total of 7,410 shares of Woodward's common stock for issuance under the 2006 Omnibus Incentive Plan (the "2006 Plan"), which has been approved by Woodward's stockholders. Equity awards under the 2006 Plan include grants of stock options to its employees and directors. Woodward believes that these stock options align the interests of its employees and directors with those of its stockholders. Stock option awards are granted with an exercise price equal to the market price of Woodward's stock at the date of grant, a ten-year term, and generally a four-year vesting schedule at a rate of 25% per year.

The fair value of options granted was estimated on the date of grant using the Black-Scholes-Merton option-valuation model using the assumptions in the following table. Woodward calculates the expected term, which represents the period of time that stock options granted are expected to be outstanding, based upon historical experience of plan participants. Expected volatility is based on historical volatility using daily stock price observations. The estimated dividend yield is

based upon Woodward's historical dividend practice and the market value of its common stock. The risk-free rate is based on the U.S. treasury yield curve, for periods within the contractual life of the stock option, at the time of grant.

	Three-	Months		
	Ended		Six-Months Ended	
	March	31,	March 31,	
	2016	2015	2016	2015
Expected term (years)	n/a	n/a	6.3 - 8.7	6.2 - 8.8
Estimated volatility	n/a	n/a	34.5% - 35.1%	36.5%
Estimated dividend yield	n/a	n/a	1.0%	0.7%
Risk-free interest rate	n/a	n/a	1.7% - 2.0%	2.0% - 2.3%

The following is a summary of the activity for stock option awards during the three and six-months ended March 31, 2016:

	Three-Months Ended			Six-Months Ended		
	March 31, 2016		March 31, 2016		016	
	Number Weighted-Average		Number	Weighted-Average		
	of	Exercise Price per		of	Exe	ercise Price per
	options	Share		options	Share	
Options, beginning balance	5,636	\$	33.81	4,641	\$	32.28
Options granted	-		n/a	1,055		40.26
Options exercised	(205)		22.69	(254)		23.29
Options forfeited	(2)		40.26	(13)		42.97
Options, ending balance	5,429		34.22	5,429		34.22

Changes in non-vested stock options during the three and six-months ended March 31, 2016 were as follows:

	Three-M March 3	Conths Ended 1, 2016	Six-Months Ended March 31, 2016		
	Number Weighted-Average I			<i>'</i>	
	of	Exercise Price per	of	Exercise Price per	
	options	options Share		Share	
Options outstanding, beginning balance	2,094	\$ 41.54	1,724	\$ 40.54	
Options granted	-	n/a	1,055	40.26	
Options vested	(6)	41.74	(680)	36.97	
Options forfeited	(2)	40.26	(13)	43.00	
Options outstanding, ending balance	2,086	41.54	2,086	41.54	

Information about stock options that have vested, or are expected to vest, and are exercisable at March 31, 2016 was as follows:

			Weighted-	
		Weighted-	Average	
		Average	Remaining	Aggregate
		Exercise	Life in	Intrinsic
	Number	Price	Years	Value
Options outstanding	5,429	\$ 34.22	6.2	\$ 96,625
Options vested and exercisable	3,343	29.66	4.6	74,770
Options vested and expected to vest	5,296	34.03	6.1	95,257

#### Restricted Stock

In the first quarter of fiscal year 2014, Woodward granted an award of 24 shares of restricted stock to its Chief Executive Officer and President, Thomas A. Gendron. Subject to Mr. Gendron's continued employment by the Company, these shares of restricted stock will vest 100% following the end of the Company's fiscal year 2017 if a specified cumulative earnings per share ("EPS") target is met or exceeded for fiscal years 2014 through 2017. If this EPS target is not met, all shares of restricted stock will be forfeited by Mr. Gendron. The shares of restricted stock were awarded to Mr. Gendron pursuant to a form restricted stock agreement approved by Woodward's Compensation Committee of the Board of Directors.

A summary of the activity for restricted stock awards in the three and six-months ended March 31, 2016 follows:

	Three-Mon March 31,		Six-Months Ended March 31, 2016			
	Number	Fair Value per Share	Number	Fair Value per Share		
Beginning balance	24	\$ 39.43	24	\$ 39.43		
Shares granted	-	n/a	-	n/a		
Shares vested	-	n/a	-	n/a		
Shares forfeited	-	n/a	-	n/a		
Ending balance	24	39.43	24	39.43		

## Stock-based compensation cost

Woodward recognizes stock compensation expense on a straight-line basis over the requisite service period. At March 31, 2016, there was approximately \$11,239 of total unrecognized compensation cost related to non-vested stock-based compensation arrangements, both stock options and restricted stock awards, granted under the 2002 Plan (for which no further grants will be made) and the 2006 Plan. The pre-vesting forfeiture rates for purposes of determining stock-based compensation cost recognized were estimated to be 0% for members of Woodward's board of directors and 9% for all others. The remaining unrecognized compensation cost is expected to be recognized over a weighted-average period of approximately 2.4 years.

#### Note 19. Commitments and contingencies

Woodward is currently involved in claims, pending or threatened litigation or other legal proceedings, investigations and/or regulatory proceedings arising in the normal course of business, including, among others, those relating to product liability claims, employment matters, worker's compensation claims, contractual disputes, product warranty claims and alleged violations of various laws and regulations. Woodward accrues for known individual matters where it believes that it is probable the matter will result in a loss when ultimately resolved using estimates of the most likely amount of loss.

Legal costs are expensed as incurred and are classified in "Selling, general and administrative expenses" on the Condensed Consolidated Statements of Earnings.

Woodward is partially self-insured in the United States for healthcare and worker's compensation up to predetermined amounts, above which third party insurance applies. Management regularly reviews the probable outcome of these claims and proceedings, the expenses expected to be incurred, the availability and limits of the insurance coverage, and the established accruals for liabilities.

While the outcome of pending claims, legal and regulatory proceedings, and investigations cannot be predicted with certainty, management believes that any liabilities that may result from these claims, proceedings and investigations will not have a material effect on Woodward's liquidity, financial condition, or results of operations.

In the event of a change in control of Woodward, as defined in change-in-control agreements with its current corporate officers, Woodward may be required to pay termination benefits to such officers.

## Note 20. Segment information

Woodward serves the aerospace, industrial and energy markets through its two reportable segments - Aerospace and Industrial. Woodward's reportable segments are aggregations of Woodward's operating segments. Woodward uses operating segment information internally to manage its business, including the assessment of operating segment performance and decisions for the allocation of resources between operating segments.

Woodward has changed the name of its Energy segment to Industrial. The term "energy" is largely viewed as "oil and gas" and therefore was not representative of the broader markets Woodward serves in this segment.

The accounting policies of the reportable segments are the same as those of the Company. Woodward evaluates segment profit or loss based on internal performance measures for each segment in a given period. In connection with that assessment, Woodward excludes matters such as certain charges for restructuring costs, interest income and expense, certain gains and losses from asset dispositions, or other non-recurring and/or non-operationally related expenses.

A summary of consolidated net sales and earnings by segment follows:

	Three-Months Ended March 31,		Six-Months March 31,	Ended
	2016	2015	2016	2015
Segment external net sales:				
Aerospace	\$ 290,690	\$ 281,426	\$ 559,289	\$ 537,196
Industrial	188,692	211,796	365,203	443,672
Total consolidated net sales	\$ 479,382	\$ 493,222	\$ 924,492	\$ 980,868
Segment earnings:				
Aerospace	\$ 50,578	\$ 45,628	\$ 94,064	\$ 81,421
Industrial	19,469	27,224	41,020	66,492
Total segment earnings	70,047	72,852	135,084	147,913
Nonsegment expenses	(9,888)	(10,153)	(40,508)	(22,320)
Interest expense, net	(5,793)	(5,108)	(12,254)	(10,930)
Consolidated earnings before income taxes	\$ 54,366	\$ 57,591	\$ 82,322	\$ 114,663

Segment assets consist of accounts receivable; inventories; property, plant, and equipment, net; goodwill; and other intangibles, net. A summary of consolidated total assets by segment follows:

	March 31, 2016	September 30, 2015
Segment assets:		
Aerospace	\$ 1,585,195	\$ 1,566,421
Industrial	681,721	653,848
Total segment assets	2,266,916	2,220,269
Unallocated corporate property, plant and equipment, net	91,904	85,834
Other unallocated assets	210,596	207,813
Consolidated total assets	\$ 2,569,416	\$ 2,513,916

Item 2.Management's Discussion and Analysis of Financial Condition and Results of Operations (Amounts in thousands, except per share amounts)

#### Forward Looking Statements

This Quarterly Report on Form 10-Q, including "Management's Discussion and Analysis of Financial Condition and Results of Operations," contains forward-looking statements regarding future events and our future results within the meaning of the Private Securities Litigation Reform Act of 1995. All statements other than statements of historical fact are statements that are deemed forward-looking statements. These statements are based on current expectations, estimates, forecasts, and projections about the industries in which we operate and the beliefs and assumptions of management. Words such as "anticipate," "believe," "estimate," "seek," "goal," "expect," "forecast," "intend," "continue," "o "project," "target," "strive," "can," "could," "may," "should," "will," "would," variations of such words, and similar expression intended to identify such forward-looking statements. In addition, any statements that refer to projections of our future financial performance, our anticipated growth and trends in our businesses, and other characteristics of future events or circumstances are forward-looking statements. Forward-looking statements may include, among others, statements relating to:

- · future sales, earnings, cash flow, uses of cash, and other measures of financial performance;
- · descriptions of our plans and expectations for future operations;
- · plans and expectations relating to the performance of our joint venture with General Electric Company;
- · investments in new campuses, business sites and related business developments;
- · the effect of economic trends or growth;
- the effect of changes in the level of activity in particular industries or markets;
- · the scope, nature, or impact of acquisition activity and integration of such acquisition into our business;
- · the research, development, production, and support of new products and services;
- · new business opportunities;
- · restructuring and alignment costs and savings;
- · our plans, objectives, expectations and intentions with respect to business opportunities that may be available to us;
- · our liquidity, including our ability to meet capital spending requirements and operations;
- · future repurchases of common stock;
- · future levels of indebtedness and capital spending;
- · the stability of financial institutions, including those lending to us; and
- · pension and other postretirement plan assumptions and future contributions.

Readers are cautioned that these forward-looking statements are only predictions and are subject to risks, uncertainties, and assumptions that are difficult to predict, including:

- · a decline in business with, or financial distress of, our significant customers;
- · global economic uncertainty and instability in the financial markets;
- · our ability to manage product liability claims, product recalls or other liabilities associated with the products and services that we provide;
  - our ability to obtain financing, on acceptable terms or at all, to implement our business plans, complete acquisitions, or otherwise take advantage of business opportunities or respond to business pressures;
- the long sales cycle, customer evaluation process, and implementation period of some of our products and services;
  - our ability to implement and realize the intended effects of any restructuring and alignment efforts:
- · our ability to successfully manage competitive factors, including prices, promotional incentives, competitor product development, industry consolidation, and commodity and other input cost increases;

- · our ability to manage our expenses and product mix while responding to sales increases or decreases;
- the ability of our subcontractors to perform contractual obligations and our suppliers to provide us with materials of sufficient quality or quantity required to meet our production needs at favorable prices or at all;
- our ability to monitor our technological expertise and the success of, and/or costs associated with, our product development activities;
- · consolidation in the aerospace market and our participation in a strategic joint venture with General Electric Company may make it more difficult to secure long-term sales in certain aerospace markets;
- · our ability to integrate acquisitions and manage costs related thereto;
- our debt obligations, our debt service requirements, and our ability to operate our business, pursue business strategies and incur additional debt in light of covenants contained in our outstanding debt agreements;
- · our ability to manage additional tax expense and exposures;

- · risks related to our U.S. Government contracting activities, including liabilities resulting from legal and regulatory proceedings, inquiries, or investigations related to such activities;
- the potential of a significant reduction in defense sales due to decreases in the amount of U.S. Federal defense spending or other specific budget cuts impacting defense programs in which we participate;
- · changes in government spending patterns, priorities, subsidy programs and/or regulatory requirements;
- future impairment charges resulting from changes in the estimates of fair value of reporting units or of long-lived assets:
- · future results of our subsidiaries;
- · environmental liabilities related to manufacturing activities and/or real estate acquisitions;
- · our continued access to a stable workforce and favorable labor relations with our employees;
- · physical and other risks related to our operations and suppliers, including natural disasters, which could disrupt production;
- our ability to successfully manage regulatory, tax, and legal matters (including the adequacy of amounts accrued for contingencies, the U.S. Foreign Corrupt Practices Act, and product liability, patent, and intellectual property matters):
- · risks related to our common stock, including changes in prices and trading volumes;
- · risks from operating internationally, including the impact on reported earnings from fluctuations in foreign currency exchange rates, and compliance with and changes in the legal and regulatory environments of the United States and the countries in which we operate;
- fair value of defined benefit plan assets and assumptions used in determining our retirement pension and other
  postretirement benefit obligations and related expenses including, among others, discount rates and investment
  return on pension assets;
- · industry risks, including changes in commodity prices for oil, natural gas, and other minerals, unforeseen events that may reduce commercial aviation, and changing emissions standards;
- · our operations may be adversely affected by information systems interruptions or intrusions; and
- · certain provisions of our charter documents and Delaware law that could discourage or prevent others from acquiring our company.

These factors are representative of the risks, uncertainties, and assumptions that could cause actual outcomes and results to differ materially from what is expressed or forecast in our forward-looking statements. Other factors are discussed under the caption "Risk Factors" in Part I, Item 1A in our most recent Annual Report on Form 10-K filed with the Securities and Exchange Commission ("SEC") (our "Form 10-K"), as updated from time to time in our subsequent SEC filings. We undertake no obligation to revise or update any forward-looking statements for any reason.

Unless we have indicated otherwise or the context otherwise requires, references in this Quarterly Report on Form 10-Q (this "Form 10-Q") to "Woodward," "the Company," "we," "us," and "our" refer to Woodward, Inc. and its consolidated subsidiaries.

Except where we have otherwise indicated or the context otherwise requires, amounts presented in this Form 10-Q are in thousands, except per share amounts.

This discussion should be read together with Management's Discussion and Analysis of Financial Condition and Results of Operations in Part II, Item 7 of our most recent Form 10-K and the Condensed Consolidated Financial Statements and Notes included therein and in this report.

#### Non-U.S. GAAP Financial Measures

Earnings before interest and taxes ("EBIT"), earnings before interest, taxes, depreciation and amortization ("EBITDA"), and free cash flow are financial measures not prepared and presented in accordance with accounting principles generally accepted in the United States of America ("U.S. GAAP"). However, we believe these non-U.S. GAAP financial measures provide additional information that enables readers to evaluate our business from the perspective of management.

#### Earnings based non-U.S. GAAP financial measures

Management uses EBIT to evaluate Woodward's performance without financing and tax related considerations, as these elements may not fluctuate with operating results. Management uses EBITDA in evaluating Woodward's operating performance, making business decisions, including developing budgets, managing expenditures, forecasting future periods, and evaluating capital structure impacts of various strategic scenarios. Securities analysts, investors and others frequently use EBIT and EBITDA in their evaluation of companies, particularly those with significant property, plant, and equipment, and intangible assets subject to amortization.

EBIT and EBITDA for the three and six-months ended March 31, 2016 and March 31, 2015 were as follows:

	Three-Mo	nths Ended	Six-Months Ended		
	March 31,		March 31,		
	2016	2015	2016	2015	
Net earnings	\$ 40,824	\$ 43,855	\$ 66,644	\$ 87,639	
Income taxes	13,542	13,736	15,678	27,024	
Interest expense	6,234	5,329	13,142	11,278	
Interest income	(441)	(221)	(888)	(348)	
EBIT	60,159	62,699	94,576	125,593	
Amortization of intangible assets	6,926	7,227	13,872	14,802	
Depreciation expense	8,633	11,449	18,749	22,447	
EBITDA	\$ 75,718	\$ 81,375	\$ 127,197	\$ 162,842	

The use of these non-U.S. GAAP financial measures is not intended to be considered in isolation of, or as a substitute for, the financial information prepared and presented in accordance with U.S. GAAP. As EBIT and EBITDA exclude certain financial information compared with net earnings, the most comparable U.S. GAAP financial measure, users of this financial information should consider the information that is excluded. Our calculations of EBIT and EBITDA may differ from similarly titled measures used by other companies, limiting their usefulness as comparative measures.

## Cash flow-based non-U.S. GAAP financial measures

Management uses free cash flow, which is defined as net cash flows provided by operating activities less payments for property, plant and equipment, in reviewing the financial performance of Woodward's various business groups and evaluating cash levels. Securities analysts, investors, and others frequently use free cash flow in their evaluation of

companies. The use of this non-U.S. GAAP financial measure is not intended to be considered in isolation of, or as a substitute for, the financial information prepared and presented in accordance with U.S. GAAP. Free cash flow does not necessarily represent funds available for discretionary use and is not necessarily a measure of our ability to fund our cash needs. Our calculation of free cash flow may differ from similarly titled measures used by other companies, limiting its usefulness as a comparative measure.

Free cash flow for the three and six-months ended March 31, 2016 and March 31, 2015 were as follows:

	Six-Months Ended		
	March 31,		
	2016	2015	
Net cash provided by operating activities	\$ 361,682	\$ 123,276	
Payments for property, plant and equipment	(99,316)	(109,402)	
Free cash flow	\$ 262,366	\$ 13,874	

#### **OVERVIEW**

#### Joint Venture

On January 4, 2016, Woodward and General Electric Company ("GE"), acting through its GE Aviation business unit, consummated the formation of a strategic joint venture between Woodward and GE (the "JV"). The JV designs, develops and sources the fuel system for specified existing and all future GE commercial aircraft engines that produce thrust in excess of fifty thousand pounds.

As part of the JV formation, Woodward contributed to the JV certain contractual rights and intellectual property applicable to the existing GE commercial aircraft engine programs within the scope of the JV. Woodward has no initial cost basis in the JV because Woodward had no cost basis in the contractual rights and intellectual property contributed to the JV. GE purchased from Woodward a 50% ownership interest in the JV for a \$250,000 cash payment to Woodward. In addition, GE will pay contingent consideration to Woodward consisting of fifteen annual payments of \$4,894 each per year beginning January 4, 2017 subject to certain claw-back conditions. Neither Woodward nor GE contributed any tangible assets to the JV.

Woodward determined that the JV formation was not the culmination of an earnings event because Woodward has significant performance obligations to support the future operations of the JV. Therefore, Woodward recorded the \$250,000 consideration received from GE for its purchase of a 50% equity interest in the JV as deferred income. The \$250,000 deferred income will be recognized as an increase to net sales in proportion to revenue realized on sales of applicable fuel systems within the scope of the JV in a particular period as a percentage of total revenue expected to be realized by Woodward over the estimated remaining lives of the underlying commercial aircraft engine programs assigned to the JV.

Woodward and GE jointly manage the JV, and any significant decisions and/or actions of the JV require the mutual consent of both Woodward and GE. Neither Woodward nor GE has a controlling financial interest in the JV, but Woodward does have the ability to significantly influence the operating and financial decisions of the JV. Therefore, Woodward is accounting for its remaining 50% ownership interest in the JV using the equity method of accounting. Other income includes \$2,158 related to Woodward's equity interest in the earnings of the JV for the three-months ended March 31, 2016. During the three-months ended March 31, 2016, Woodward net sales include \$15,015 of sales to the JV and a reduction to sales of \$7,016 related to royalties paid to the JV by Woodward on sales by Woodward directly to third party aftermarket customers.

#### Segment name change

We changed the name of our Energy segment to Industrial. The term "energy" is largely viewed as "oil and gas" and therefore was not representative of the broader markets we serve in this segment.

## Operational Highlights

## Second Quarter Highlights

Net sales for the second quarter of fiscal year 2016 were \$479,382, a decrease of \$13,840, or 2.8%, compared to \$493,222 for the second quarter of the prior fiscal year. Net sales for the second quarter of fiscal year 2016 were negatively impacted by \$4,317 related to unfavorable changes in foreign currency exchange rates compared to the same period of fiscal year 2015. Aerospace segment sales for the second quarter of fiscal year 2016 were up 3.3% to \$290,690, compared to \$281,426 for the second quarter of the prior fiscal year. Industrial segment sales for the second quarter of fiscal year 2016 were down 10.9% to \$188,692, compared to \$211,796 for the second quarter of the

prior fiscal year.

Net earnings for the second quarter of fiscal year 2016 were \$40,824, a decrease of \$3,031, or 6.9%, compared to \$43,855 for the second quarter of fiscal year 2015. Net earnings per diluted share was \$0.65 for the second quarter of fiscal year 2016 compared to \$0.66 for the second quarter of fiscal year 2015. The effective tax rate in the second quarter of fiscal year 2016 was 24.9%, compared to 23.9% for the second quarter of the prior fiscal year.

EBIT for the second quarter of fiscal year 2016 was \$60,159, a decrease of 4.1% from \$62,699 for the second quarter of fiscal year 2015. EBITDA for the second quarter of fiscal year 2016 was \$75,718, a decrease of 7.0% from \$81,375 for the second quarter of fiscal year 2015.

Aerospace segment earnings as a percent of segment net sales increased to 17.4% in the second quarter of fiscal year 2016 from 16.2% in the prior fiscal year. Industrial segment earnings as a percent of segment net sales decreased to 10.3% in the second quarter of fiscal year 2016 from 12.9% in the prior fiscal year

# Year to Date Highlights

Net sales for the first half of fiscal year 2016 were \$924,492, a decrease of 5.7% from \$980,868 for the first half of the prior fiscal year. Net sales for the first half of fiscal year 2016 were negatively impacted by \$17,198 related to unfavorable

changes in foreign currency exchange rates compared to the same period of fiscal year 2015. Aerospace segment sales for the first half of fiscal year 2016 were up 4.1% to \$559,289, compared to \$537,196 for the first half of the prior fiscal year. Industrial segment sales for the first half of fiscal year 2016 were down 17.7% to \$365,203, compared to \$443,672 for the first half of the prior fiscal year.

Net earnings for the first half of fiscal year 2016 were \$66,644, or \$1.05 per diluted share, a decrease of \$20,995, or 24.0%, compared to \$87,639, or \$1.32 per diluted share, for the first half of fiscal year 2015. Net earnings for the first half of fiscal year 2016 included approximately \$16,100, \$9,900 net of tax or \$0.16 per diluted share, of special charges related to our efforts to consolidate facilities, reduce costs and address current market conditions. Net earnings for the first half of fiscal year 2016 were also negatively impacted by approximately \$3,000, net of tax, related to unfavorable changes in foreign currency exchange rates compared to the same period of fiscal year 2015.

The effective tax rate in the first six months of fiscal year 2016 was 19.0%, compared to 23.6% for the first half of the prior fiscal year.

EBIT for the first half of fiscal year 2016 was \$94,576, down 24.7% from \$125,593 in the same period of fiscal year 2015. EBIT for the first half of fiscal year 2016 was negatively impacted by approximately \$4,400 related to unfavorable changes in foreign currency exchange rates compared to the same period of fiscal year 2015. EBITDA for the first half of fiscal year 2016 was \$127,197, down 21.9% from \$162,842 for the same period of fiscal year 2015. EBIT and EBITDA for the first half of fiscal year 2016 include the special charges of approximately \$16,100 discussed above.

Aerospace segment earnings as a percent of segment net sales increased to 16.8% in the first half of fiscal year 2016 from 15.2% in the prior fiscal year. Industrial segment earnings as a percent of segment net sales decreased to 11.2% in the first half of fiscal year 2016 from 15.0% in the prior fiscal year.

# Liquidity Highlights

Net cash provided by operating activities for the first half of fiscal year 2016 was \$361,682, compared to \$123,276 for the first half of fiscal year 2015. The increase in net cash provided by operating activities is attributable to the \$250,000 received related to the formation of the JV between Woodward and GE.

Free cash flow for the first half of fiscal year 2016 was \$262,366, compared to \$13,874 for the first half of fiscal year 2015, attributable to the \$250,000 received related to the formation of the JV between Woodward and GE.

At March 31, 2016, we held \$84,745 in cash and cash equivalents, and had total outstanding debt of \$717,000 with additional borrowing availability of \$724,215, net of outstanding letters of credit, under our revolving credit agreement. There was additional borrowing capacity of \$42,102 under various foreign lines of credit and foreign overdraft facilities.

# **RESULTS OF OPERATIONS**

The following table sets forth selected consolidated statements of earnings data as a percentage of net sales for each period indicated:

	Three-Months Ended			Six-Months			C4 C	
	March 31,	% of Net	March 31,	% of Net	March 31,	% of Net	March 31,	% of Net
	2016	Sales	2015	Sales	2016	Sales	2015	Sales
Net sales	\$ 479,382	100 %	\$ 493,222	100 %	\$ 924,492	100 %	\$ 980,868	100 %
Costs and expenses:	, , , , , ,		, , ,		, - , -		, ,	
Cost of goods sold	346,139	72.2	355,602	72.1	679,516	73.5	699,362	71.3
Selling, general, and								
administrative expenses	36,823	7.7	38,450	7.8	77,605	8.4	78,293	8.0
Research and development								
costs	31,762	6.6	30,328	6.1	63,359	6.9	64,357	6.6
Amortization of intangible								
assets	6,926	1.4	7,227	1.5	13,872	1.5	14,802	1.5
Interest expense	6,234	1.3	5,329	1.1	13,142	1.4	11,278	1.1
Interest income	(441)	(0.1)	(221)	(0.0)	(888)	(0.1)	(348)	(0.0)
Other (income) expense,								
net	(2,427)	(0.5)	(1,084)	(0.2)	(4,436)	(0.5)	(1,539)	(0.2)
Total costs and expenses	425,016	88.7	435,631	88.3	842,170	91.1	866,205	88.3
Earnings before income								
taxes	54,366	11.3	57,591	11.7	82,322	8.9	114,663	11.7
Income tax expense	13,542	2.8	13,736	2.8	15,678	1.7	27,024	2.8
Net earnings	\$ 40,824	8.5	\$ 43,855	8.9	\$ 66,644	7.2	\$ 87,639	8.9
Other select financial data:								

		September
	March 31,	30,
	2016	2015
Working capital	\$ 412,971	\$ 579,502
Short-term borrowings and current portion of long-term debt	100,000	2,430
Total debt	717,000	852,430
Total stockholders' equity	1,118,961	1,153,104

Net Sales

Consolidated net sales for the second quarter of fiscal year 2016 decreased by \$13,840, or 2.8%, compared to the same period of fiscal year 2015. Consolidated net sales for the first half of fiscal year 2016 decreased by \$56,376, or 5.7%, compared to the same period of fiscal year 2015. Details of the changes in consolidated net sales are as follows:

	Three-Month	Six-Month
	Period	Period
Consolidated net sales for the period ended March 31, 2015	\$ 493,222	\$ 980,868
Aerospace volume	6,282	16,055
Industrial volume	(17,229)	(59,466)
Effects of changes in price and sales mix	1,424	4,233
Effects of changes in foreign currency rates	(4,317)	(17,198)
Consolidated net sales for the period ended March 31, 2016	\$ 479,382	\$ 924,492

The decrease in net sales for the second quarter and first half of fiscal year 2016 was primarily attributable to continued weakness across nearly all our Industrial segment markets, partially offset by increased commercial aftermarket and defense sales in the Aerospace segment markets.

Our net sales were negatively impacted by \$4,317 in the second quarter and \$17,198 in the first half of fiscal year 2016 due to unfavorable impacts of fluctuations in foreign currency exchange rates compared to the same periods of fiscal year 2015. Nearly all of the negative foreign currency impact to our net sales was realized through our Industrial segment, primarily due to changes in the European Union countries' Euro ("EUR").

Our worldwide sales activities are primarily denominated in U.S. dollars ("USD"), EUR, Great Britain Pounds ("GBP"), Japanese Yen ("JPY"), Brazilian Real ("BRL"), and Chinese Renminbi ("RMB"). As the USD, EUR, GBP, JPY, BRL and RMB fluctuate against each other and other currencies, we are exposed to gains or losses on sales transactions. For additional information on foreign currency exchange rate risk, please refer to the risk factor titled "We derive a significant portion of our revenues from non-U.S. sales and are subject to the risks inherent in doing business in other countries" set forth under the caption "Risk Factors" in Part I, Item 1A of our most recent Form 10-K.

## Costs and Expenses

Costs and expenses for the first half of fiscal year 2016 include special charges totaling approximately \$16,100 (\$13,300 included in cost of goods sold, \$1,700 included in selling, general and administrative expenses, and \$1,100 included in research and development costs) related to our efforts to consolidate facilities, reduce costs and address current market conditions.

Cost of goods sold decreased by \$9,463 to \$346,139, or 72.2% of net sales, for the second quarter of fiscal year 2016 from \$355,602, or 72.1% of net sales, for the second quarter of fiscal year 2015. Cost of goods sold for the first half of fiscal year 2016 decreased by \$19,846 to \$679,516, or 73.5% of net sales, from \$699,362, or 71.3% of net sales from the first half of fiscal year 2015. The decrease in costs of goods sold for the three and six-month periods is attributable to lower sales volume in our Industrial segment, partially offset by planned new facility start-up expenses for our new Rockford-area facility. Cost of goods sold for the first half of fiscal year 2016 also included approximately \$13,300 of special charges, described above.

Gross margin (as measured by net sales less cost of goods sold, divided by net sales) was 27.8% for the second quarter of fiscal year 2016, consistent with 27.9% for the same period of the prior fiscal year. Gross margin was 26.5% for the first half of fiscal year 2016, compared to 28.7% for the same period of the prior fiscal year. Gross margin for the first half of fiscal year 2016 was lower compared to the same period of fiscal year 2015, primarily related to the inclusion in cost of goods sold of approximately \$13,300 of special charges in fiscal year 2016, as well as planned new facility start-up expenses for our new Rockford-area facility.

Selling, general, and administrative expenses decreased by \$1,627, or 4.2%, to \$36,823 for the second quarter of fiscal year 2016, as compared to \$38,450 for the same period of fiscal year 2015. Selling, general and administrative expenses as a percentage of net sales was 7.7% for the second quarter of fiscal year 2016, consistent with 7.8% for the same period of fiscal year 2015. Selling, general, and administrative expenses decreased by \$688, or 0.9%, to \$77,605 for the first half of fiscal year 2016 as compared to \$78,293 for the same period of fiscal year 2015. The decrease in selling, general and administrative expenses for the first half of fiscal year 2016 was due to the inclusion in the first quarter of fiscal year 2015 of approximately \$2,000 of expenses associated with our negotiations to enter into the JV agreement with GE for which there is no equivalent expense in fiscal year 2016 partially offset by the special charges of \$1,700, described above, in fiscal year 2016 and normal variability in costs. Selling, general and administrative expenses as a percentage of net sales were 8.4% for the first half of fiscal year 2016, as compared to 8.0% for the same period of fiscal year 2015.

Research and development costs increased by \$1,434, or 4.7%, to \$31,762 for the second quarter of fiscal year 2016, as compared to \$30,328 for the same period of fiscal year 2015. Research and development costs for the second quarter of fiscal year 2016 increased as a percentage of net sales to 6.6% as compared to 6.1% for the same period of fiscal year 2015. Research and development costs decreased by \$998, or 1.6%, to \$63,359 for the first half of fiscal year 2016 as compared to \$64,357 for the same period of fiscal year 2015. Research and development costs for the first half of fiscal year 2016 increased as a percentage of net sales to 6.9% as compared to 6.6% for the same period of fiscal year 2015. Research and development costs in both the second quarter and first half of fiscal year 2016 were impacted by variability in the timing of projects and expenses. In addition, the first half of fiscal year 2016 includes the special charges of \$1,100, described above. Our research and development activities extend across almost all of our customer base, and we anticipate ongoing variability in research and development due to the timing of customer business needs on current and future programs

Amortization of intangible assets decreased to \$6,926 for the second quarter and \$13,872 for the first half of fiscal year 2016, compared to \$7,227 for the second quarter and \$14,802 for the first half of fiscal year 2015. As a percentage of net

sales, amortization of intangible assets was 1.4% for the second quarter and 1.5% for the first half of fiscal year 2016, comparable to 1.5% for both the second quarter and first half of fiscal year 2015. The decrease in amortization expense was primarily related to certain intangible assets becoming fully amortized during fiscal year 2015.

Interest expense increased to \$6,234 for the second quarter and \$13,142 for the first half of fiscal year 2016, compared to \$5,329 for the second quarter and \$11,278 for the first half of fiscal year 2015. As a percentage of net sales, interest expense was 1.3% for the second quarter and 1.4% for the first half of fiscal year 2016, as compared to 1.1% for both the second quarter and first half of fiscal year 2015. The increase in interest expense was primarily attributable to additional interest expense on higher levels of debt in first half of fiscal year 2016 as compared to the same period of the prior year, as well as lower amounts of capitalized interest in the current fiscal year as capital projects have been completed.

Income taxes were provided at an effective rate on earnings before income taxes of 24.9% for the second quarter and 19.0% for the first half of fiscal year 2016, compared to 23.9% for the second quarter and 23.6% for the first half of fiscal year 2015. The changes in components of our effective tax rate (as a percentage of earnings before income taxes) were attributable to the following:

	Three-Month		Six-Month	1
	Period		Period	
Effective tax rate for the period ended March 31, 2015	23.9	%	23.6	%
Research and experimentation credit	(2.6)		(4.5)	
State and local taxes	0.7		0.1	
Adjustment of prior period tax items	-		(1.5)	
Taxes on international activities	4.9		2.5	
Net excess income tax benefit from stock-based compensation	(2.6)		(2.0)	
Other	0.6		0.8	
Effective tax rate for the period ended March 31, 2016	24.9	%	19.0	%

The increase in the year-over-year effective tax rate for the second quarter of fiscal year 2016, is primarily attributable to a smaller favorable release of foreign valuation allowances in the second quarter of fiscal year 2016 as compared to the same period last year. This increase was partially offset by the permanent extension, in the first quarter of fiscal year 2016, of the U.S. research and experimentation credit ("R&E Credit") and the adoption of ASU 2016-09, "Improvements to Employee Share-Based Payment Accounting," that resulted in a favorable adjustment for the net excess income tax benefits from stock-based compensation in the second quarter of fiscal year 2016.

The decrease in the year-over-year effective tax rate for the six-months ended March 31, 2016 is primarily attributable to the permanent extension of the R&E Credit and favorable adjustment for the net excess income tax benefits from stock-based compensation in the current fiscal year, partially offset by a smaller favorable release of foreign valuation allowances in the current fiscal year. The retroactive portion of the R&E Credit related to the nine-months ended September 30, 2015 was \$5,197 and was included in the results of the first quarter of fiscal year 2016.

#### Segment Results

The following table presents sales by segment:

	Three-Months Ended March 31,			Six-Months				
	2016		2015		2016		2015	
Net sales:								
Aerospace	\$ 290,690	60.6 %	\$ 281,426	57.1 %	\$ 559,289	60.5 %	\$ 537,196	54.8 %
Industrial	188,692	39.4	211,796	42.9	365,203	39.5	443,672	45.2
Consolidated net sales	\$ 479,382	100.0 %	\$ 493,222	100.0 %	\$ 924,492	100.0 %	\$ 980,868	100.0 %

The following table presents earnings by segment:

	Three-Months Ended		Six-Months Ended	
	March 31,		March 31,	
	2016	2015	2016	2015
Aerospace	\$ 50,578	\$ 45,628	\$ 94,064	\$ 81,421
Industrial	19,469	27,224	41,020	66,492
Total segment earnings	70,047	72,852	135,084	147,913
Nonsegment expenses	(9,888)	(10,153)	(40,508)	(22,320)
Interest expense, net	(5,793)	(5,108)	(12,254)	(10,930)
Consolidated earnings before income taxes	54,366	57,591	82,322	114,663
Income tax expense	(13,542)	(13,736)	(15,678)	(27,024)
Consolidated net earnings	\$ 40,824	\$ 43,855		