Third Quarter 2023 Earnings Call

John Plant: Executive Chairman and Chief Executive Officer
Ken Giacobbe: EVP and Chief Financial Officer

November 2, 2023

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Important Information

Forward–Looking Statements

This presentation contains statements that relate to future events and expectations and as such constitute forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements include those containing such words as "anticipates," "believes," "could," "envisions," "estimates," "expects," "forecasts," "goal," "guidance," "intends," "may," "outlook," "plans," "projects," "seeks," "sees," "should," "targets," "will," "would," or other words of similar meaning. All statements that reflect Howmet Aerospace's expectations, assumptions or projections about the future, other than statements of historical fact, are forward-looking statements, including, without limitation, statements, forecasts and outlook relating to the condition of end markets; future financial results or operating performance; future strategic actions; Howmet Aerospace's strategies, outlook, and business and financial prospects; and any future repurchases of its debt or equity securities. These statements reflect beliefs and assumptions that are based on Howmet Aerospace's perception of historical trends, current conditions and expected future developments, as well as other factors Howmet Aerospace believes are appropriate in the circumstances. Forward-looking statements are not guarantees of future performance and are subject to risks, uncertainties and changes in circumstances that are difficult to predict, which could cause actual results to differ materially from those indicated by these statements. Such risks and uncertainties include, but are not limited to: (a) deterioration in global economic and financial market conditions generally; (b) unfavorable changes in the markets served by Howmet Aerospace; (c) the impact of potential cyber attacks and information technology or data security breaches; (d) the loss of significant customers or adverse changes in customers' business or financial conditions; (e) manufacturing difficulties or other issues that impact product performance, quality or safety; (f) inability of suppliers to meet obligations due to supply chain disruptions or otherwise; (g) failure to attract and retain a qualified workforce and key personnel; (h) uncertainty of the residual impact of the COVID-19 pandemic on Howmet Aerospace's business, results of operations, and financial condition; (i) the inability to achieve revenue growth, cash generation, restructuring plans, cost reductions, improvement in profitability, or strengthening of competitiveness and operations anticipated or targeted; (j) inability to meet increased demand, production targets or commitments; (k) competition from new product offerings, disruptive technologies or other developments; (l) geopolitical, economic, and regulatory risks relating to Howmet Aerospace's global operations, including geopolitical and diplomatic tensions, instabilities, conflicts and wars as well as compliance with U.S. and foreign trade and tax laws, sanctions, embargoes and other regulations; (m) the outcome of contingencies, including legal proceedings, government or regulatory investigations, and environmental remediation, which can expose Howmet Aerospace to substantial costs and liabilities; (n) failure to comply with government contracting regulations; (o) adverse changes in discount rates or investment returns on pension assets; and (p) the other risk factors summarized in Howmet Aerospace's Form 10-K for the year ended December 31, 2022 and other reports filed with the U.S. Securities and Exchange Commission. Market projections are subject to the risks discussed above and other risks in the market. The statements in this presentation are made as of the date of this presentation, even if subsequently made available by Howmet Aerospace on its website or otherwise. Howmet Aerospace disclaims any intention or obligation to update publicly any forward-looking statements, whether in response to new information, future events or otherwise, except as required by applicable law.

Important Information (continued)

Non-GAAP Financial Measures

Some of the information included in this presentation is derived from Howmet Aerospace's consolidated financial information but is not presented in Howmet Aerospace's financial statements prepared in accordance with accounting principles generally accepted in the United States of America (GAAP). Certain of these data are considered "non-GAAP financial measures" under SEC rules. These non-GAAP financial measures supplement our GAAP disclosures and should not be considered an alternative to the GAAP measure. Reconciliations to the most directly comparable GAAP financial measures and management's rationale for the use of the non-GAAP financial measures can be found in the Appendix to this presentation. Howmet Aerospace has not provided reconciliations of any forward-looking non-GAAP financial measures (including Adjusted EBITDA, Adjusted EBITDA margin and Adjusted Earnings per Share, each excluding special items, and Free Cash Flow) to the most directly comparable GAAP financial measures because such reconciliations, as well as the directly comparable GAAP measures, are not available without unreasonable efforts due to the variability and complexity of the charges and other components excluded from the non-GAAP measures, such as the effects of foreign currency movements, gains or losses on sales of assets, taxes, and any future restructuring or impairment charges. These reconciling items are in addition to the inherent variability already included in the GAAP measures, which includes, but is not limited to, price/mix and volume. Howmet Aerospace believes such reconciliations of forward-looking non-GAAP financial measures would imply a degree of precision that would be confusing or misleading to investors.

Where values are denoted, M=USD millions and B=USD billions. YTD=year to date; YOY=year over year; 2024 Notes=Howmet Aerospace's 5.125% Notes due October 2024; Q3 YTD = the period from January 1, 2023 to September 30, 2023

Q3 2023 Highlights

Revenue and Profitability Excluding Special Items[1,2]

	Q3 2022	Q2 2023	Q3 2023
Revenue	$1.433B	$1.648B	**$1.658B**
Adj EBITDA[1]	$323M	$368M	**$382M**
Adj EBITDA Margin[1]	22.5%	22.3%	**23.0%**
Adj Operating Income Margin[1]	18.0%	18.3%	**18.9%**
Adj Earnings Per Share[2]	$0.36	$0.44	**$0.46**

- Q3 2023 Revenue up 16% YoY, driven by Commercial Aerospace up 23% YoY
- Q3 2023 Adj EBITDA[1] up 18% YoY; Adj Operating Income[1] up 22% YoY
- Q3 2023 Adj Earnings Per Share[2] up 28% YoY

Q3 2023 Balance Sheet and Cash Flow

- Ending Cash Balance of $425M; Free Cash Flow[3] of $132M
- Debt Reduction of ~$200M in Q3, ~$376M Q3 YTD; Annualized Interest Expense savings ~$10M and ~$19M, respectively
- Repurchased $25M of Common Stock at an Avg Price of ~$49 per Share in Q3; $150M at ~$45 Avg Price per Share Q3 YTD
- All Long-Term Debt Unsecured at Fixed Rates
- Net Debt-to-LTM EBITDA[4] improved to a record 2.3x

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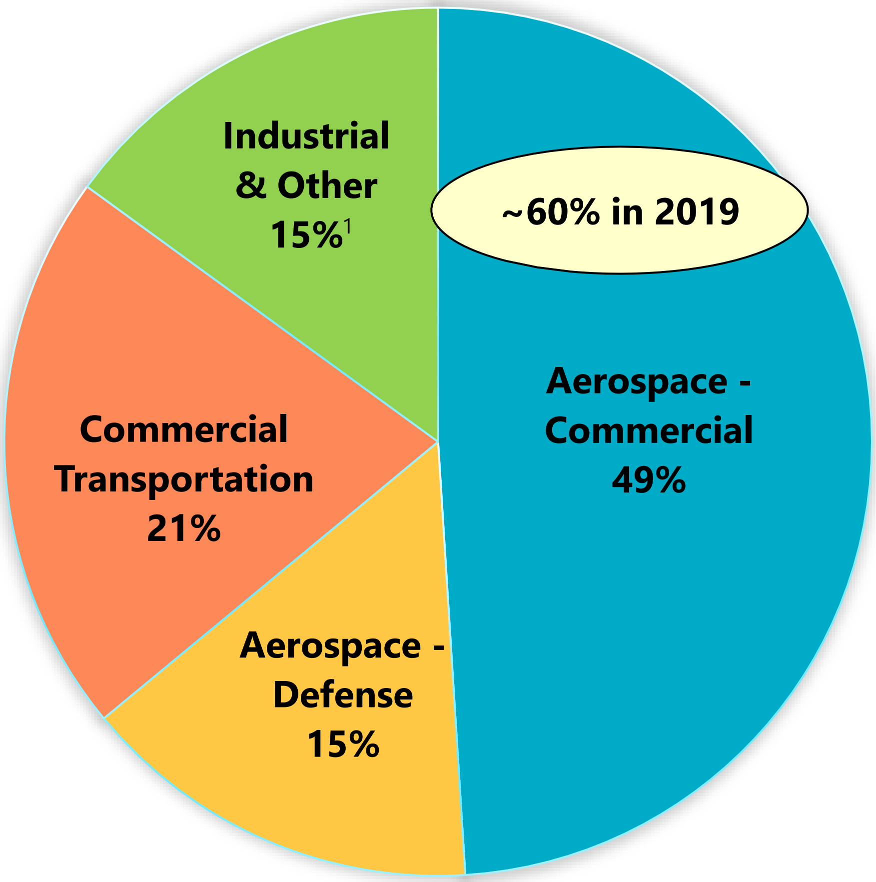
1) Net Income (GAAP): Q3 2022 = $80M, Q2 2023 = $193M, Q3 2023 = $188M; Operating income (GAAP): Q3 2022 = $228M, Q2 2023 = $285M, Q3 2023 = $307M; Operating income margin (GAAP): Q3 2022 = 15.9%, Q2 2023 = 17.3%, Q3 2023 = 18.5% 2) EPS (GAAP): Q3 2022 = $0.19, Q2 2023 = $0.46, Q3 2023 = $0.45 3) Q3 2023: Cash provided from operations = $191M, Cash used for financing activities = ($243M), Cash used for investing activities = ($58M) 4) Adjusted for special items; Last twelve months (LTM) Howmet adjusted EBITDA *See appendix for reconciliations*

Q3 2023 Revenue Up 16% YoY, Commercial Aerospace Up 23% YoY



Revenue by Market (% change)	YoY	Sequential
Aerospace - Commercial	23%	6%
Aerospace - Defense	13%	(4%)
Subtotal - Aerospace	20%	4%
Commercial Transportation	7%	(2%)
Industrial & Other[1]	10%	(8%)
Total Revenue	16%	1%

1) IGT represents ~45%, General Industrial represents ~35%, and Oil & Gas represents ~20% of total Industrial & Other

Q3 2023: Revenue Up 16% YoY, Adj EBITDA Margin[1] 23.0%, Adj EPS[2] Up 28% YoY

Enhanced Profitability

- Revenue up 16% YoY, exceeding high end of Guidance; includes inflationary cost pass through ~$15M
- Adj EBITDA[1] of $382M, up 18% YoY, exceeding high end of Guidance; Net Headcount up ~645 in Q3, up ~1,510 Q3 YTD
- Adj EBITDA Margin[1] of 23.0%, exceeding high end of Guidance; 23.3% excluding YoY inflationary cost pass through
- Adj Earnings Per Share[2] of $0.46, up 28% YoY, exceeding high end of Guidance
- Nine Consecutive Quarters of Revenue, Adj EBITDA[1], and Adj Earnings Per Share[2] Growth

Strengthened Balance Sheet

- Ending Cash Balance of $425M; Free Cash Flow[3] of $132M
- Capital Allocation of ~$242M for Debt Reduction, Common Stock Repurchases, and Quarterly Dividends
- All Long-Term Debt Unsecured at Fixed Rates
- Net Debt-to-LTM EBITDA[4] improved to a record 2.3x
- Balance Sheet improvement reflected in Fitch's Upgrade to BBB from BBB-; Moody's Outlook Upgrade to Positive

Balanced Capital Allocation

- Capex less than Depreciation and Amortization
- Debt Reduction ~$200M in Q3, ~$376M Q3 YTD; Annualized Interest Expense savings ~$10M and ~$19M, respectively
- Common Stock Repurchases: $25M in Q3; More than $1B since 2020 Separation; Ten Consecutive Quarters
- Paid Quarterly Dividend at $0.04 per share of Common Stock in Q3; Increased 25% to $0.05 per share in Q4 2023

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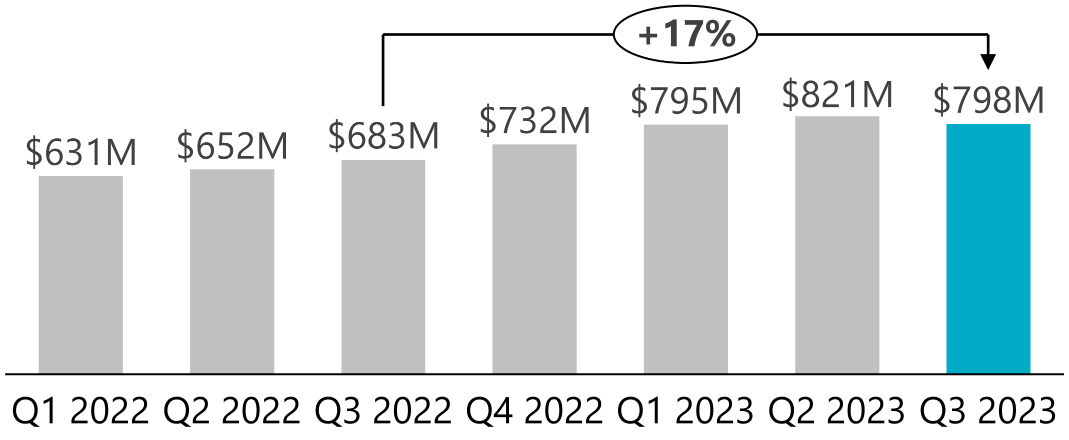
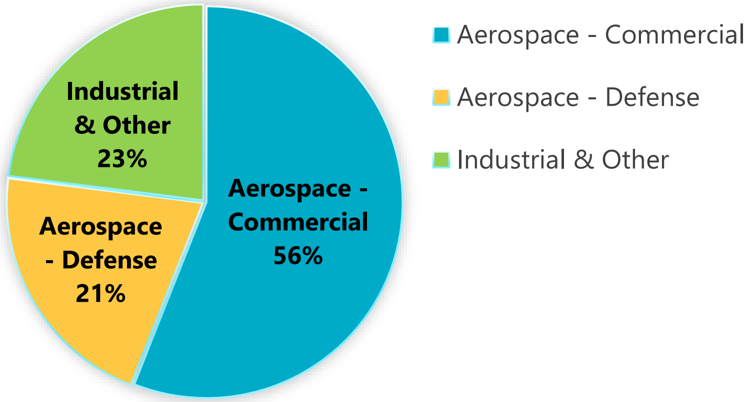
1) Adjusted EBITDA and EBITDA Margin excluding special items: Net Income (GAAP): Q3 2022 = $80M, Q3 2023 = $188M; Operating income margin (GAAP): Q3 2022 = 15.9%, Q3 2023 = 18.5%
2) Adjusted EPS excluding special items: EPS (GAAP): Q3 2022 = $0.19, Q3 2023 = $0.45 3) Q3 2023: Cash provided from operations = $191M, Cash used for financing activities = ($243M), Cash used for investing activities = ($58M) 4) Adjusted for special items; Last twelve months (LTM) Howmet adjusted EBITDA *See appendix for reconciliations*

Engine Products: Revenue +17% YoY; Adj EBITDA Margin 27.4%

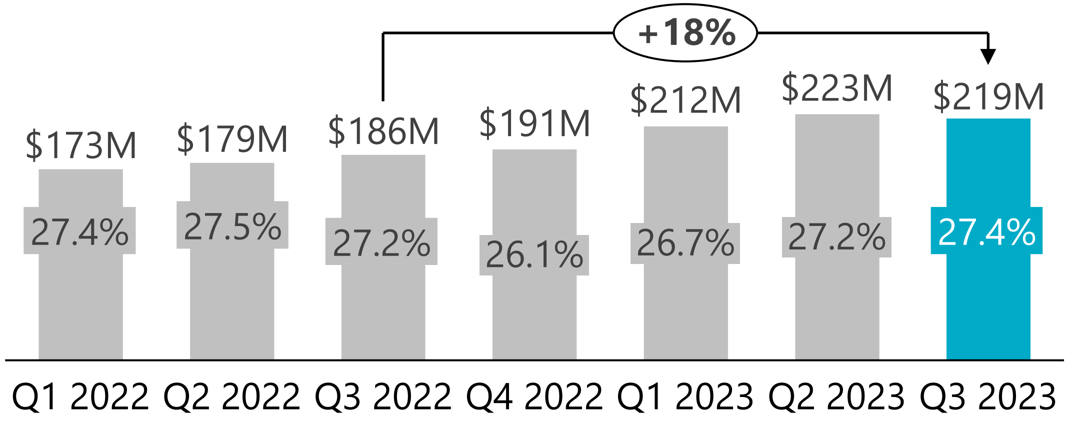
3rd Party Revenue



Revenue by Market (% of total)



Segment Adjusted EBITDA and Margin



Q3 2023 YoY

- \+ Commercial Aero Build Rates/Spares Growth
- \+ Defense Engine Build Rates/Spares Growth
- \+ Oil & Gas/Industrial Gas Turbine Growth
- +/– Absorbed Net Headcount increase of ~500 in Q3, ~850 Q3 YTD

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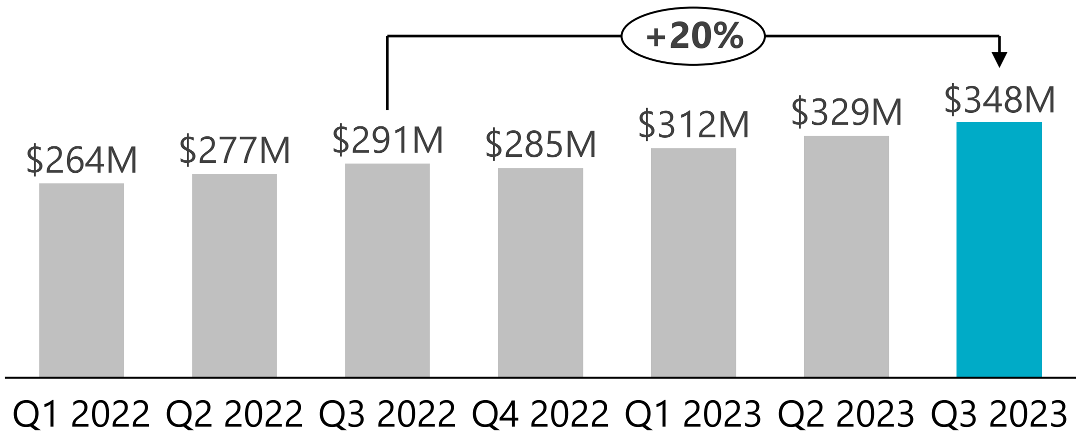
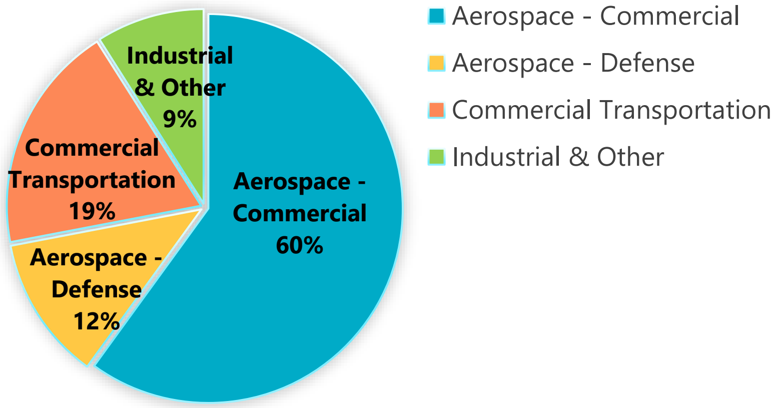
Fastening Systems: Revenue +20% YoY; Adj EBITDA Margin 21.8%

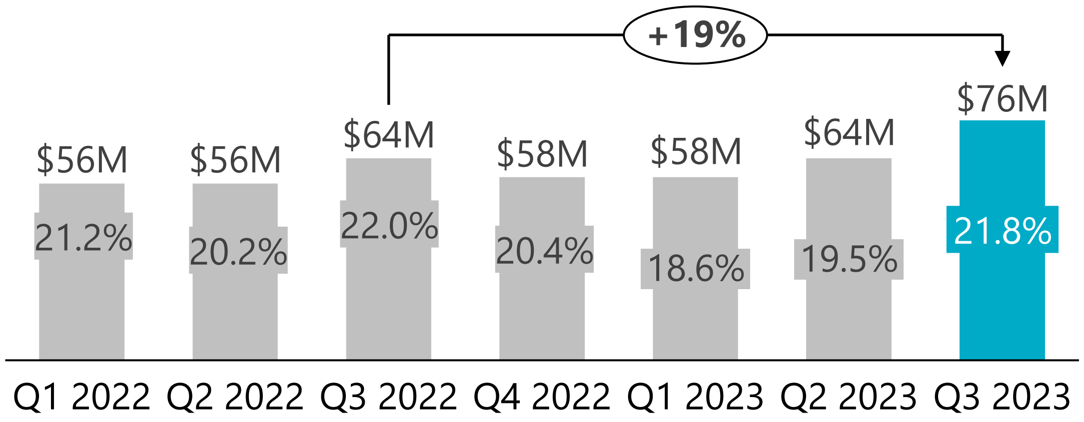
3rd Party Revenue



Revenue by Market (% of total)



Segment Adjusted EBITDA and Margin

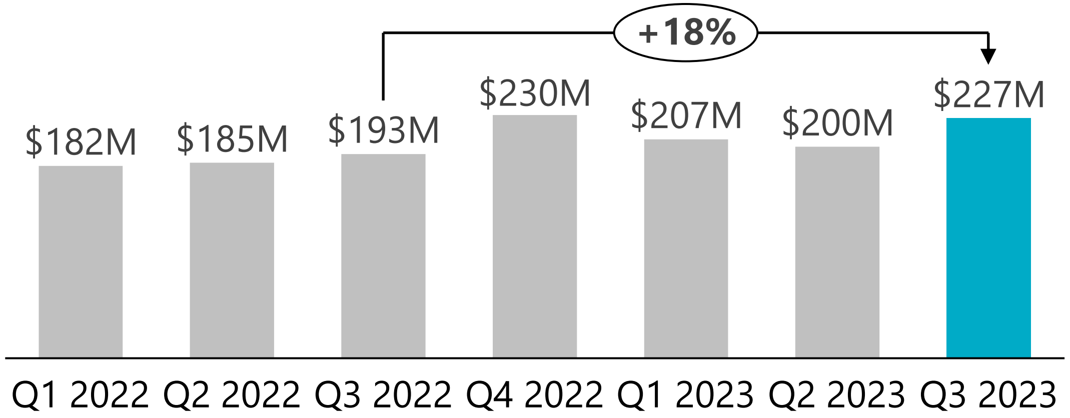


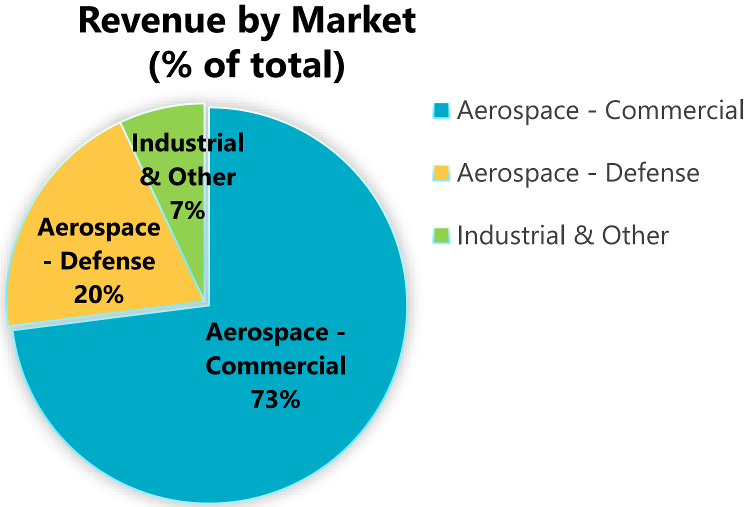
Q3 2023 YoY

- \+ Commercial Aero Growth
- \+ Emerging Wide Body Recovery
- \+ Commercial Transportation Growth

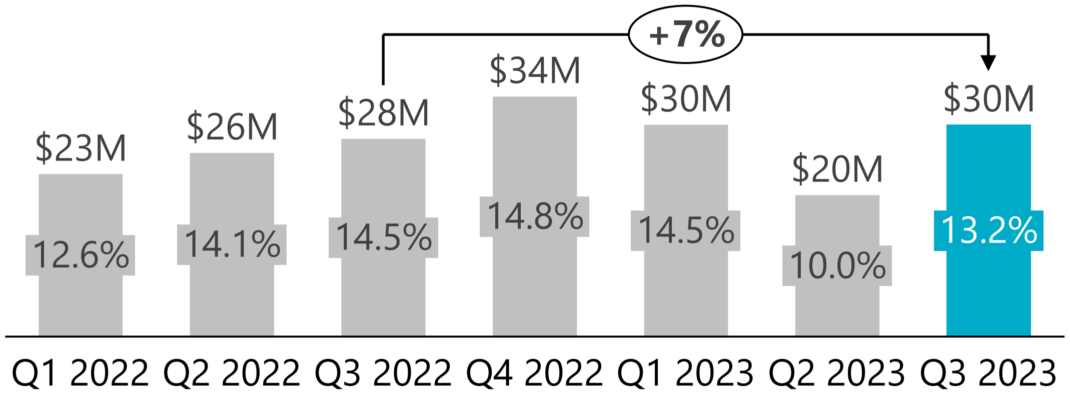
Engineered Structures: Revenue +18% YoY; Adj EBITDA Margin 13.2%

3rd Party Revenue





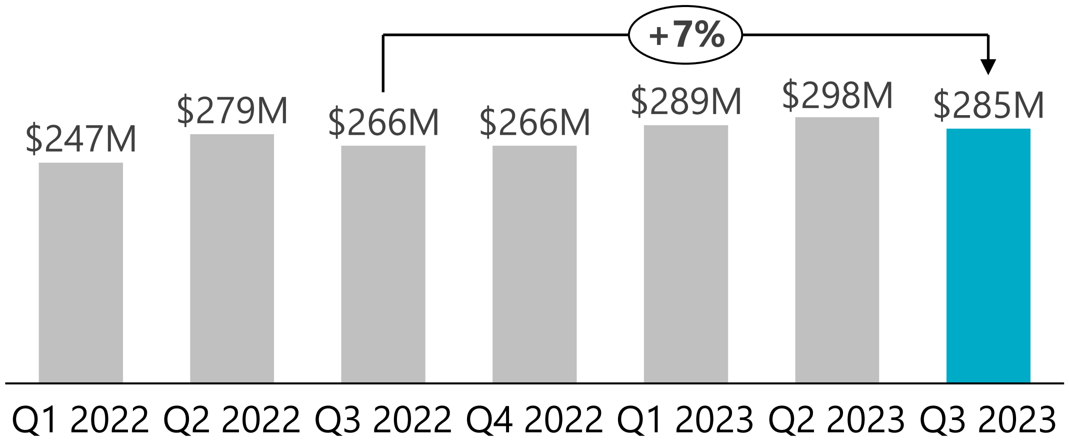
Segment Adjusted EBITDA and Margin

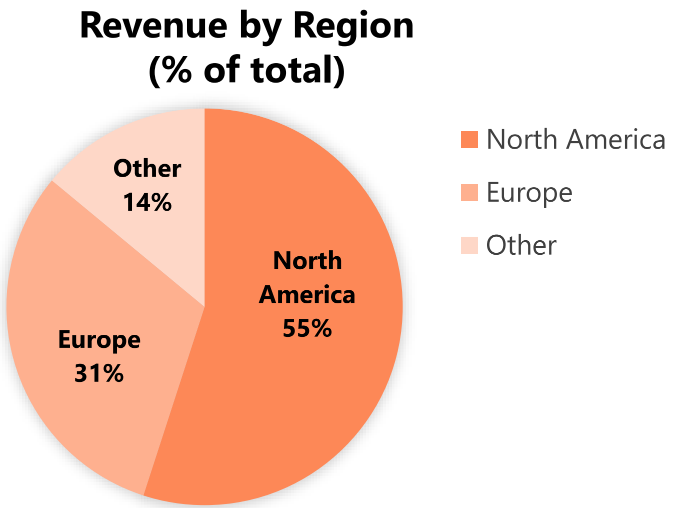


Q3 2023 YoY	
+	Commercial Aero Growth
+	Russian Titanium Share Gain ~$30M; ~$75M Q3 YTD
+	Emerging Wide Body Recovery
+/–	Absorbed Net Headcount increase of ~145 in Q3, ~195 Q3 YTD
–	Defense Aero Decline

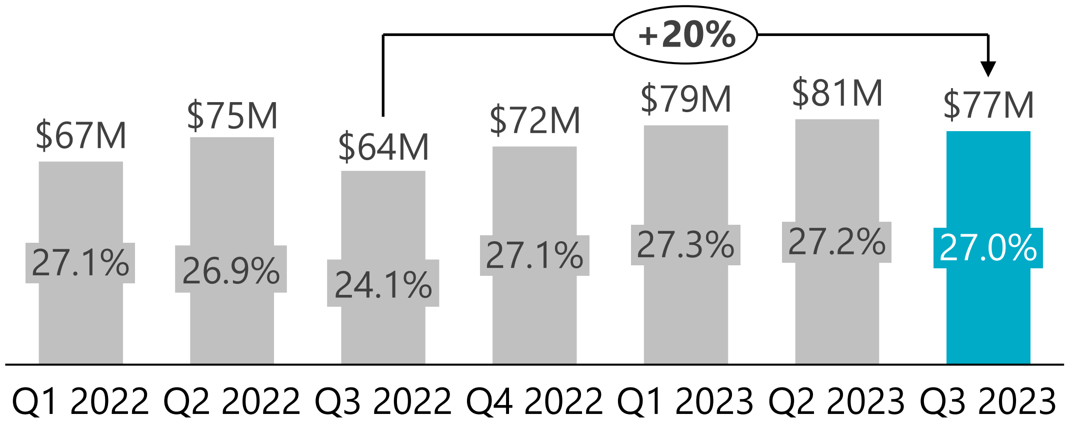
Forged Wheels: Volume Up 13% YoY; Adj EBITDA Margin 27.0%

3rd Party Revenue





Segment Adjusted EBITDA and Margin



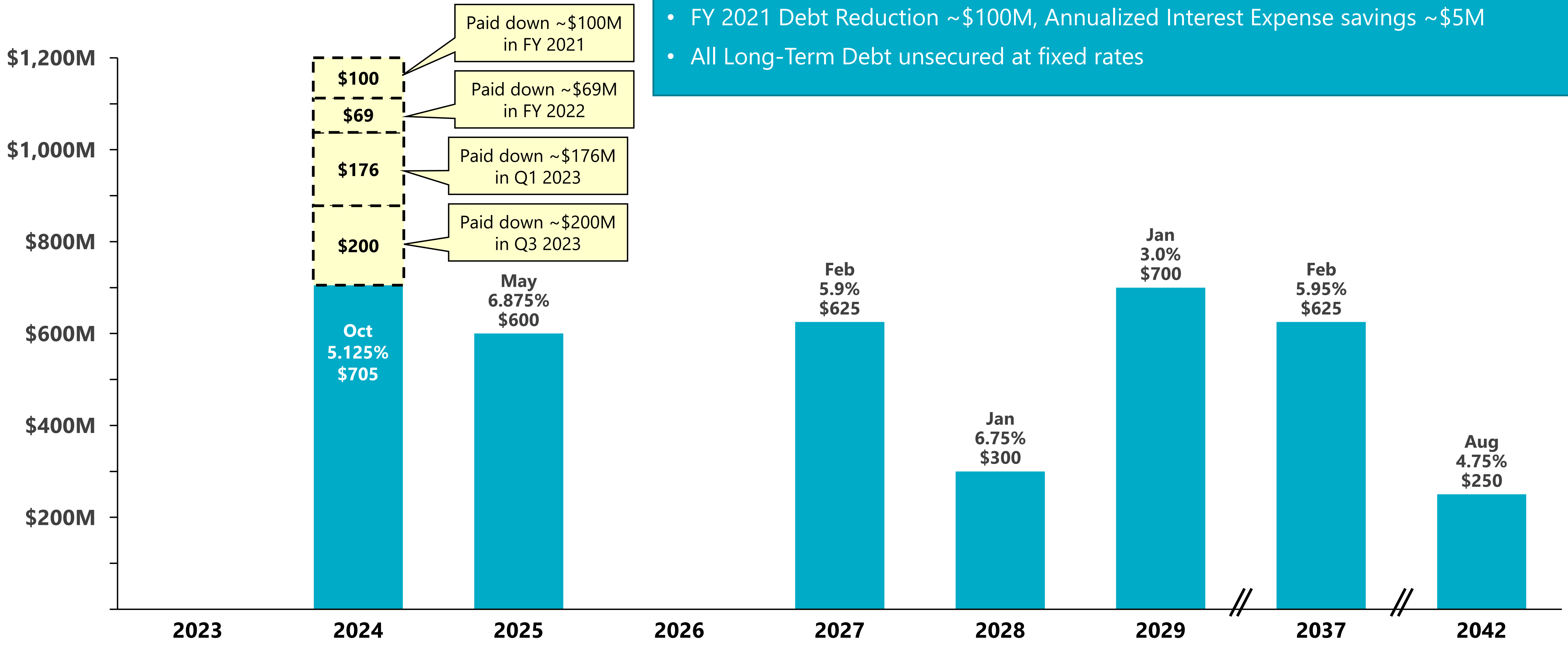
Q3 2023 YoY

\+ Commercial Transportation Demand

\+ Volumes up 13%

Debt Reduction ~$545M of 2024 Bonds with Cash on Hand since 2021

- Q3 YTD 2023 Debt Reduction ~$376M, Annualized Interest Expense savings ~$19M
- FY 2022 Debt Reduction ~$69M, Annualized Interest Expense savings ~$4M
- FY 2021 Debt Reduction ~$100M, Annualized Interest Expense savings ~$5M
- All Long-Term Debt unsecured at fixed rates



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2023 Guidance

	Q4 2023 Guidance			FY 2023 Guidance			What we expect in 2023
	Low	**Baseline**	**High**	**Low**	**Baseline**	**High**	
Revenue	**$1.620B**	**$1.635B**	**$1.650B**	**$6.530B** **Baseline Change**	**$6.545B** **+$105M**	**$6.560B**	FY 2023 Revenue up ~16% vs. FY 2022, includes inflationary cost pass through ~$90M
Adj EBITDA[1] *Adj EBITDA Margin[1]*	**$370M** *22.8%*	**$375M** *22.9%*	**$380M** *23.0%*	**$1.480B** *22.7%* **Baseline Change**	**$1.485B** *22.7%* **+$40M** *+30 bps*	**$1.490B** *22.7%*	FY 2023 Adj EBITDA[1] up ~16% vs. FY 2022 FY 2023 Adj EPS[1,2] up ~26% vs. FY 2022
Adj Earnings per Share[1,2]	**$0.44**	**$0.45**	**$0.46**	**$1.76** **Baseline Change**	**$1.77** **+$0.07**	**$1.78**	Capex of $225M - $245M vs. Depreciation and Amortization of ~$270M
Free Cash Flow				**$600M**	**$635M**	**$670M**	Free Cash Flow Conversion 85% - 90%

2024 Preliminary Revenue Guidance up ~7% vs. FY 2023 to ~$7B

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1) Excluding special items 2) Assumes ~$4M of miscellaneous other expenses in Q4 2023

Summary

Revenue / Profit Q3 2023

- Revenue of ~$1.66B, up 16% YoY driven by Commercial Aero up 23%; inflationary cost pass through ~$15M
- Adj EBITDA[1] of $382M, up 18% YoY
- Adj EBITDA Margin[1] of 23.0%; 23.3% excluding YoY inflationary cost pass through
- Adj Earnings Per Share[2] of $0.46 up 28% YoY

Liquidity Q3 2023

- Ending Cash Balance of $425M; Free Cash Flow[3] of $132M
- Capital Allocation of ~$242M for Debt Reduction, Common Stock Repurchases, and Quarterly Dividends
- Increased Quarterly Dividend by 25% to $0.05 per share of Common Stock in Q4 2023
- All Long-Term Debt Unsecured at Fixed Rates
- Net Debt-to-LTM EBITDA[4] improved to record 2.3x

Guidance Expectations FY 2023

- Expect Revenue up ~16% YoY, Adj EBITDA[1] up ~16% YoY, Adj Earnings Per Share[2] up ~26% YoY
- Expect Free Cash Flow at ~$635M, up ~18% YoY, with Free Cash Flow Conversion of 85% - 90%
- Expect Net Debt-to-LTM EBITDA[4] to improve towards ~2x at year end

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1) Adjusted EBITDA and EBITDA Margin excluding special items: Net Income (GAAP): Q3 2022 = $80M, Q3 2023 = $188M; Operating income margin (GAAP): Q3 2022 = 15.9%, Q3 2023 = 18.5%
2) Adjusted EPS excluding special items: EPS (GAAP): Q3 2022 = $0.19, Q3 2023 = $0.45 3) Q3 2023: Cash provided from operations = $191M, Cash used for financing activities = ($243M), Cash used for investing activities = ($58M) 4) Adjusted for special items; Last twelve months (LTM) Howmet adjusted EBITDA *See appendix for reconciliations*

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Appendix

2023 Assumptions

	Full Year 2023	2023 Comments
Corporate Overhead	~$80M	• Included in Adjusted EBITDA[1]
Depreciation and Amortization	~$270M	
Interest Expense	~$220M	• Excludes any potential debt issuance, breakage, and tender fees
Operational Tax Rate	**22.0% – 23.0%** *Previous: 22.5% - 23.5%*	• Cash Tax Rate ~15%
Pension / OPEB Expense	**~$35M** *Previous: ~$40M*	• ~$5M Service Costs (included in Adj. EBITDA[1]) • **~$30M Non-Service Costs (excluded from Adj. EBITDA[1])**
Miscellaneous Other Expenses	**~$12M** *Previous: ~$8M*	• Included in Other expense (income), net • Examples are deferred compensation and foreign currency impacts
Post-Tax Pension / OPEB Liability	~$500M Pension Liability; ~$95M OPEB Liability	• Applied U.S. federal corporate tax rate of 21%
Pension / OPEB Contributions	~$56M	• Flat with FY 2022
Capex	**$225M – $245M** *Previous: $230M - $260M*	• Less than Depreciation and Amortization; Source of Cash
Diluted Share Count Average	~416M	• **Q3 Diluted shares exit rate of ~414M** • **$150M common share buyback Q3 YTD** • Excludes any potential additional common stock repurchases

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1) Excluding special items

Bold denotes changes from previous Full Year 2023 assumptions

Reconciliation of Net Income and Diluted EPS Excluding Special Items

($ in millions, except per-share amounts)	Q3 2022	Q2 2023	Q3 2023	YTD 2023
Net income	**$80**	**$193**	**$188**	**$529**
Diluted EPS	**$0.19**	**$0.46**	**$0.45**	**$1.27**
Special items:				
Restructuring and other charges	$4	$3	$4	$8
Loss on debt redemption and related costs	—	—	—	1
Plant fire costs (reimbursements), net	25	(4)	1	1
Collective bargaining agreement negotiation	—	7	1	8
Judgment (settlement) from legal proceeding[1]	65	(24)	—	(24)
Costs associated with closures, supply chain disruptions, and other items[2]	1	9	1	11
Subtotal: Pre-tax special items	$95	$(9)	$7	$5
Tax impact of Pre-tax special items[3]	(21)	2	(1)	—
Subtotal	$74	$(7)	$6	$5
Discrete and other tax special items[4]	$(2)	$(5)	$(2)	$14
Total: After-tax special items	$72	$(12)	$4	$19
Net income excluding Special items	**$152**	**$181**	**$192**	**$548**
Diluted EPS excluding Special items	**$0.36**	**$0.44**	**$0.46**	**$1.32**

Net income excluding Special items and Diluted EPS excluding Special items are non-GAAP financial measures. Management believes that these measures are meaningful to investors because management reviews the operating results of the Company excluding the impacts of Restructuring and other charges, Discrete tax items, and Other special items (collectively, "Special items"). There can be no assurances that additional Special items will not occur in future periods. To compensate for this limitation, management believes that it is appropriate to consider both Net income determined under GAAP as well as Net income excluding Special items and Diluted EPS excluding Special items.

(1) Judgment (settlement) from legal proceeding in Q2 2023 and Q3 YTD 2023 relates to the reversal of $25, net of legal fees of $1, of the $65 pre-tax charge taken in Q3 2022 related to the Lehman Brothers International (Europe) legal proceeding.

(2) Costs associated with closures, supply chain disruptions, and other items in Q2 2023 and Q3 YTD 2023 included costs for a site closure and inventory disposal, an impact for supply chain disruptions, and remediation and separation expenses.

(3) The Tax impact of Pre-tax special items is based on the applicable statutory rates whereby the difference between such rates and the Company's consolidated estimated annual effective tax rate is itself a Special item.

(4) Discrete tax items for Q3 2023 and Q3 YTD 2023 are discussed further in the Reconciliation of the Operational Tax Rate. Discrete tax items for Q3 2022 included a benefit for other small items ($2). Discrete tax items for Q2 2023 included an excess benefit for stock compensation ($8) and a net charge for other small items $1.

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Reconciliation of Operational Tax Rate

($ in millions)	Quarter ended September 30, 2023			Nine months ended September 30, 2023		
	Effective tax rate, as reported	Special items[(1)(2)]	Operational tax rate, as adjusted	Effective tax rate, as reported	Special items[(1)(2)]	Operational tax rate, as adjusted
Income before income taxes	$242	$7	$249	$705	$5	$710
Provision for income taxes	$54	$3	$57	$176	$(14)	$162
Tax rate	22.3%		22.9%	25.0%		22.8%

Operational tax rate is a non-GAAP financial measure. Management believes that this measure is meaningful to investors because management reviews the operating results of the Company excluding the impacts of Special items. There can be no assurances that additional Special items will not occur in future periods. To compensate for this limitation, management believes that it is appropriate to consider both the Effective tax rate determined under GAAP as well as the Operational tax rate.

(1) Special items for the quarter ended September 30, 2023 included Restructuring and other charges $4, costs associated with closures, supply chain disruptions, and other items $1, costs related to a collective bargaining agreement negotiation $1, and costs related to fires at two plants $1. Special items for the nine months ended September 30, 2023 included costs associated with closures, supply chain disruptions, and other items $11, costs related to a collective bargaining agreement negotiation $8, Restructuring and other items $8, loss on debt redemption and related costs $1, and net costs related to fires at two plants $1, partially offset by net settlement from legal proceeding ($24).

(2) Tax Special items includes discrete tax items, the tax impact on Special items based on the applicable statutory rates, the difference between such rates and the Company's consolidated estimated annual effective tax rate and other tax related items. Discrete tax items for each period included the following:

- for the quarter ended September 30, 2023, a net benefit for other small items ($1); and
- for the nine months ended September 30, 2023, a charge for a tax reserve established in France $20, an excess benefit for stock compensation ($8), and a net charge for other small items $1.

Calculation of Segment Information

($ in millions)	Q1 2022	Q2 2022	Q3 2022	Q4 2022	FY 2022	Q1 2023	Q2 2023	Q3 2023
Engine Products								
Third-party sales	$ 631	$ 652	$ 683	$ 732	$ 2,698	$ 795	$ 821	$ 798
Inter-segment sales	$ 1	$ 1	$ 1	$ 1	$ 4	$ 2	$ 5	$ 5
Provision for depreciation and amortization	$ 31	$ 31	$ 31	$ 32	$ 125	$ 32	$ 32	$ 33
Segment Adjusted EBITDA	$ 173	$ 179	$ 186	$ 191	$ 729	$ 212	$ 223	$ 219
Segment Adjusted EBITDA Margin	27.4 %	27.5 %	27.2 %	26.1 %	27.0 %	26.7 %	27.2 %	27.4 %
Depreciation and amortization % of Revenue	4.9 %	4.8 %	4.5 %	4.4 %	4.6 %	4.0 %	3.9 %	4.1 %
Restructuring and other charges (credits)	$ 3	$ 4	$ 2	$ 20	$ 29	$ —	$ (1)	$ —
Capital expenditures	$ 27	$ 24	$ 23	$ 20	$ 94	$ 33	$ 21	$ 30
Fastening Systems								
Third-party sales	$ 264	$ 277	$ 291	$ 285	$ 1,117	$ 312	$ 329	$ 348
Provision for depreciation and amortization	$ 12	$ 11	$ 11	$ 11	$ 45	$ 11	$ 12	$ 12
Segment Adjusted EBITDA	$ 56	$ 56	$ 64	$ 58	$ 234	$ 58	$ 64	$ 76
Segment Adjusted EBITDA Margin	21.2 %	20.2 %	22.0 %	20.4 %	20.9 %	18.6 %	19.5 %	21.8 %
Depreciation and amortization % of Revenue	4.5 %	4.0 %	3.8 %	3.9 %	4.0 %	3.5 %	3.6 %	3.4 %
Restructuring and other (credits) charges	$ (3)	$ —	$ —	$ 11	$ 8	$ —	$ —	$ 1
Capital expenditures	$ 15	$ 8	$ 7	$ 9	$ 39	$ 9	$ 5	$ 9

Calculation of Segment Information (continued)

($ in millions)	Q1 2022	Q2 2022	Q3 2022	Q4 2022	FY 2022	Q1 2023	Q2 2023	Q3 2023
Engineered Structures								
Third-party sales	$ 182	$ 185	$ 193	$ 230	$ 790	$ 207	$ 200	$ 227
Inter-segment sales	$ 1	$ 1	$ 3	$ 1	$ 6	$ —	$ 1	$ —
Provision for depreciation and amortization	$ 12	$ 12	$ 12	$ 12	$ 48	$ 12	$ 12	$ 12
Segment Adjusted EBITDA	$ 23	$ 26	$ 28	$ 34	$ 111	$ 30	$ 20	$ 30
Segment Adjusted EBITDA Margin	12.6 %	14.1 %	14.5 %	14.8 %	14.1 %	14.5 %	10.0 %	13.2 %
Depreciation and amortization % of Revenue	6.6 %	6.5 %	6.2 %	5.2 %	6.1 %	5.8 %	6.0 %	5.3 %
Restructuring and other charges	$ 2	$ 1	$ 1	$ 3	$ 7	$ 1	$ 5	$ 1
Capital expenditures	$ 7	$ 2	$ 3	$ 5	$ 17	$ 10	$ 5	$ 6
Forged Wheels								
Third-party sales	$ 247	$ 279	$ 266	$ 266	$ 1,058	$ 289	$ 298	$ 285
Provision for depreciation and amortization	$ 10	$ 10	$ 10	$ 10	$ 40	$ 9	$ 10	$ 10
Segment Adjusted EBITDA	$ 67	$ 75	$ 64	$ 72	$ 278	$ 79	$ 81	$ 77
Segment Adjusted EBITDA Margin	27.1 %	26.9 %	24.1 %	27.1 %	26.3 %	27.3 %	27.2 %	27.0 %
Depreciation and amortization % of Revenue	4.0 %	3.6 %	3.8 %	3.8 %	3.8 %	3.1 %	3.4 %	3.5 %
Restructuring and other charges	$ —	$ —	$ —	$ 2	$ 2	$ —	$ —	$ —
Capital expenditures	$ 9	$ 5	$ 6	$ 8	$ 28	$ 9	$ 7	$ 9

Calculation of Total Segment Adjusted EBITDA and Adjusted EBITDA Margin

($ in millions)	Q1 2022	Q2 2022	Q3 2022	Q4 2022	FY 2022	Q1 2023	Q2 2023	Q3 2023
Third-party sales – Engine Products	$631	$652	$683	$732	$2,698	$795	$821	$798
Third-party sales – Fastening Systems	$264	$277	$291	$285	$1,117	$312	$329	$348
Third-party sales – Engineered Structures	$182	$185	$193	$230	$790	$207	$200	$227
Third-party sales – Forged Wheels	$247	$279	$266	$266	$1,058	$289	$298	$285
Total Segment third-party sales	**$1,324**	**$1,393**	**$1,433**	**$1,513**	**$5,663**	**$1,603**	**$1,648**	**$1,658**
Total Segment Adjusted EBITDA[1]	$319	$336	$342	$355	$1,352	$379	$388	$402
Total Segment Adjusted EBITDA margin	24.1%	24.1%	23.9%	23.5%	23.9%	23.6%	23.5%	24.2%

Total Segment Adjusted EBITDA and Total Segment Adjusted EBITDA margin are non-GAAP financial measures. Management believes that these measures are meaningful to investors because Total Segment Adjusted EBITDA and Total Segment Adjusted EBITDA margin provide additional information with respect to the operating performance and the Company's ability to meet its financial obligations. The Total Segment Adjusted EBITDA presented may not be comparable to similarly titled measures of other companies. Howmet's definition of Total Segment Adjusted EBITDA (Earnings before interest, taxes, depreciation, and amortization) is net margin plus an add-back for depreciation and amortization. Net margin is equivalent to Sales minus the following items: Cost of goods sold; Selling, general administrative, and other expenses; Research and development expenses; and Provision for depreciation and amortization. Special items, including Restructuring and other charges, are excluded from net margin and Segment Adjusted EBITDA. Differences between the total segment and consolidated totals are in Corporate.

(1) See Reconciliation of Total Segment Adjusted EBITDA to Consolidated Income Before Income Taxes.

Reconciliation of Total Segment Adjusted EBITDA to Consolidated Income Before Income Taxes

($ in millions)	Q1 2022	Q2 2022	Q3 2022	Q4 2022	FY 2022	Q1 2023	Q2 2023	Q3 2023
Income before income taxes	$171	$183	$104	$148	$606	$220	$243	$242
Loss on debt redemption	—	2	—	—	2	1	—	—
Interest expense	58	57	57	57	229	57	55	54
Other expense (income), net	1	(1)	67	15	82	7	(13)	11
Operating income	$230	$241	$228	$220	$919	$285	$285	$307
Segment provision for depreciation and amortization	65	64	64	65	258	64	66	67
Unallocated amounts:								
Restructuring and other charges	2	6	4	44	56	1	3	4
Corporate expense[(1)]	22	25	46	26	119	29	34	24
Total Segment Adjusted EBITDA	$319	$336	$342	$355	$1,352	$379	$388	$402

Total Segment Adjusted EBITDA is a non-GAAP financial measure. Management believes that this measure is meaningful to investors because Total Segment Adjusted EBITDA provides additional information with respect to the Company's operating performance and the Company's ability to meet its financial obligations. The Total Segment Adjusted EBITDA presented may not be comparable to similarly titled measures of other companies. Howmet's definition of Total Segment Adjusted EBITDA (Earnings before interest, taxes, depreciation, and amortization) is net margin plus an add-back for depreciation and amortization. Net margin is equivalent to Sales minus the following items: Cost of goods sold; Selling, general administrative, and other expenses; Research and development expenses; and Provision for depreciation and amortization. Special items, including Restructuring and other charges, are excluded from net margin and Segment Adjusted EBITDA. Differences between the total segment and consolidated totals are in Corporate.

(1) For the quarter ended March 31, 2022, Corporate expense included $5 of costs related to fires at two plants and ($3) of reimbursement related to legal and advisory charges. For the quarter ended June 30, 2022, Corporate expense included $2 of costs related to fires at two plants and $1 of costs associated with closures, shutdowns, and other items. For the quarter ended September 30, 2022, Corporate expense included $25 of costs related to fires at three plants and $1 of costs associated with closures, shutdowns, and other items. In the third quarter of 2022, the Company's cast house in Barberton, Ohio, which produces aluminum ingot used in the production of wheels for the North American commercial transportation market, experienced a mechanical failure resulting in substantial heat and fire-related damage to equipment. For the quarter ended December 31, 2022, Corporate expense included $4 of costs related to fires at three plants, net of reimbursement, and $1 of costs associated with closures, shutdowns, and other items. For the quarter ended March 31, 2023, Corporate expense included $4 of costs related to fires at two plants and $1 of costs associated with closures, shutdowns, and other items. For the quarter ended June 30, 2023, Corporate expense included $9 of costs associated with closures, supply chain disruptions, and other items, $7 of costs related to a collective bargaining agreement negotiation, and ($4) of net reimbursements related to fires at two plants. For the quarter ended September 30, 2023, Corporate expense included $1 of costs associated with closures, supply chain disruptions, and other items, $1 of costs related to a collective bargaining agreement negotiation, and $1 of costs associated with fires at two plants.

Reconciliation of Adjusted Corporate Expense Excluding Depreciation and Special Items

($ in millions)	Q1 2022	Q2 2022	Q3 2022	Q4 2022	FY 2022	Q1 2023	Q2 2023	Q3 2023
Corporate expense	$22	$25	$46	$26	$119	$29	$34	$24
Provision for depreciation and amortization	1	3	1	2	7	5	1	1
Adjusted Corporate expense excluding depreciation	$21	$22	$45	$24	$112	$24	$33	$23
Special items:								
Plant fire costs (reimbursements), net	$5	$2	$25	$4	$36	$4	$(4)	$1
Collective bargaining agreement negotiation	—	—	—	—	—	—	7	1
Legal and other advisory reimbursements	(3)	—	—	—	(3)	—	—	—
Costs associated with closures, supply chain disruptions, and other items	—	1	1	1	3	1	10	1
Adjusted Corporate expense excluding depreciation and Special items	$19	$19	$19	$19	$76	$19	$20	$20

Adjusted Corporate expense excluding depreciation and Adjusted Corporate expense excluding depreciation and Special items are non-GAAP financial measures. Management believes that these measures are meaningful to investors because management reviews the operating results of the Company excluding the impacts of Special items. There can be no assurances that additional Special items will not occur in future periods. To compensate for this limitation, management believes that it is appropriate to consider both Corporate expense determined under GAAP as well as Adjusted Corporate expense excluding depreciation and Adjusted Corporate expense excluding depreciation and Special items.

Reconciliation of Adjusted EBITDA and Adjusted EBITDA Margin Excluding Special Items and Incremental Margin

($ in millions)	Q1 2021	Q2 2021	Q3 2021	Q4 2021	FY 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022	FY 2022	Q1 2023	Q2 2023	Q3 2023
Third-party sales	$1,209	$1,195	$1,283	$1,285	$4,972	$1,324	$1,393	$1,433	$1,513	$5,663	$1,603	$1,648	$1,658
Operating income	$189	$207	$205	$147	$748	$230	$241	$228	$220	$919	$285	$285	$307
Operating income margin	15.6%	17.3%	16.0%	11.4%	15.0%	17.4%	17.3%	15.9%	14.5%	16.2%	17.8%	17.3%	18.5%
Net income	$80	$74	$27	$77	$258	$131	$147	$80	$111	$469	$148	$193	$188
Add:													
Provision (benefit) for income taxes	$33	$36	$(4)	$1	$66	$40	$36	$24	$37	$137	$72	$50	$54
Other expense (income), net	4	8	1	6	19	1	(1)	67	15	82	7	(13)	11
Loss on debt redemption	—	23	118	5	146	—	2	—	—	2	1	—	—
Interest expense, net	72	66	63	58	259	58	57	57	57	229	57	55	54
Restructuring and other charges	9	5	8	68	90	2	6	4	44	56	1	3	4
Provision for depreciation and amortization	68	67	68	67	270	66	67	65	67	265	69	67	68
Adjusted EBITDA	$266	$279	$281	$282	$1,108	$298	$314	$297	$331	$1,240	$355	$355	$379
Add:													
Plant fire costs (reimbursements), net	$9	$(3)	$1	$(11)	$(4)	$5	$2	$25	$4	$36	$4	$(4)	$1
Collective bargaining agreement negotiation	—	—	—	—	—	—	—	—	—	—	—	7	1
Legal and other advisory reimbursements	—	(4)	—	—	(4)	(3)	—	—	—	(3)	—	—	—
Costs associated with closures, supply chain disruptions, and other items	—	—	10	25	35	—	1	1	1	3	1	10	1
Adjusted EBITDA excluding Special items	$275	$272	$292	$296	$1,135	$300	$317	$323	$336	$1,276	$360	$368	$382
Adjusted EBITDA margin excluding Special items	22.7%	22.8%	22.8%	23.0%	22.8%	22.7%	22.8%	22.5%	22.2%	22.5%	22.5%	22.3%	23.0%

	Q3 2022	Q3 2023	Q3 2023 YoY
Third-party sales	$1,433	$1,658	
Year-over-Year Material and other inflationary cost pass through		(15)	
Third-party sales excluding Material and other inflationary cost pass through (b)	$1,433	$1,643	$210
Adjusted EBITDA excluding Special items (a)	$323	$382	$59
Incremental margin (a)/(b)			28%

Adjusted EBITDA, Adjusted EBITDA excluding Special items, Adjusted EBITDA margin excluding Special items, Third-party sales excluding Material and other inflationary cost pass through, and Incremental margin are non-GAAP financial measures. Management believes that these measures are meaningful to investors because they provide additional information with respect to the Company's operating performance and the Company's ability to meet its financial obligations. The Adjusted EBITDA presented may not be comparable to similarly titled measures of other companies. The Company's definition of Adjusted EBITDA (Earnings before interest, taxes, depreciation, and amortization) is net margin plus an add-back for depreciation and amortization. Net margin is equivalent to Sales minus the following items: Cost of goods sold, Selling, general administrative, and other expenses, Research and development expenses, and Provision for depreciation and amortization.

Reconciliation of Adjusted Operating Income Excluding Special Items and Adjusted Operating Income Margin Excluding Special Items

($ in millions)	Q1 2022	Q2 2022	Q3 2022	Q4 2022	FY 2022	Q1 2023	Q2 2023	Q3 2023
Third-party sales	$1,324	$1,393	$1,433	$1,513	$5,663	$1,603	$1,648	$1,658
Operating income	$230	$241	$228	$220	$919	$285	$285	$307
Operating income margin	17.4%	17.3%	15.9%	14.5%	16.2%	17.8%	17.3%	18.5%
Add:								
Restructuring and other charges	$2	$6	$4	$44	$56	$1	$3	$4
Plant fire costs (reimbursements), net	5	2	25	4	36	4	(4)	1
Collective bargaining agreement negotiation	—	—	—	—	—	—	7	1
Legal and other advisory reimbursements	(3)	—	—	—	(3)	—	—	—
Costs associated with closures, supply chain disruptions, and other items	—	1	1	1	3	1	10	1
Adjusted operating income excluding Special items	$234	$250	$258	$269	$1,011	$291	$301	$314
Adjusted operating income margin excluding Special items	17.7%	17.9%	18.0%	17.8%	17.9%	18.2%	18.3%	18.9%

Adjusted operating income excluding Special items and Adjusted operating income margin excluding Special items are non-GAAP financial measures. Management believes that these measures are meaningful to investors because management reviews the operating results of the Company excluding the impacts of Special items. There can be no assurances that additional Special items will not occur in future periods. To compensate for this limitation, management believes that it is appropriate to consider both Operating income determined under GAAP as well as Adjusted operating income excluding Special items.

Reconciliation of Adjusted EBITDA and Margin Excluding Special Items and Material and Other Inflationary Cost Pass Through

($ in millions)	Q1 2023	Q2 2023	Q3 2023
Net income	**$148**	**$193**	**$188**
Add:			
Provision for income taxes	**$72**	**$50**	**$54**
Other expense (income), net	**7**	**(13)**	**11**
Loss on debt redemption	**1**	**—**	**—**
Interest expense, net	**57**	**55**	**54**
Restructuring and other charges	**1**	**3**	**4**
Provision for depreciation and amortization	**69**	**67**	**68**
Adjusted EBITDA	**$355**	**$355**	**$379**
Add:			
Plant fire costs (reimbursements), net	**$4**	**$(4)**	**$1**
Collective bargaining agreement negotiation	**—**	**7**	**1**
Costs associated with closures, supply chain disruptions, and other items	**1**	**10**	**1**
Adjusted EBITDA excluding Special items (a)	**$360**	**$368**	**$382**
Third-party sales (b)	**$1,603**	**$1,648**	**$1,658**
Year-over-Year Material and other inflationary cost pass through	**(35)**	**(25)**	**(15)**
Third-party sales excluding Year-over-Year Material and other inflationary cost pass through (c)	**$1,568**	**$1,623**	**$1,643**
Adjusted EBITDA margin excluding Special items (a)/(b)	**22.5%**	**22.3%**	**23.0%**
Adjusted EBITDA margin excluding Special items and Year-over-Year Material and other inflationary cost pass through (a)/(c)	**23.0%**	**22.7%**	**23.3%**

Adjusted EBITDA, Adjusted EBITDA excluding Special items, Third-party sales excluding Year-over-Year Material and other inflationary cost pass through, Adjusted EBITDA margin excluding Special items, and Adjusted EBITDA excluding Special items and Year-over-Year Material and other inflationary cost pass through are non-GAAP financial measures. Management believes that these measures are meaningful to investors because they provide additional information with respect to the Company's operating performance and the Company's ability to meet its financial obligations. The Adjusted EBITDA presented may not be comparable to similarly titled measures of other companies. The Company's definition of Adjusted EBITDA (Earnings before interest, taxes, depreciation, and amortization) is net margin plus an add-back for depreciation and amortization. Net margin is equivalent to Sales minus the following items: Cost of goods sold, Selling, general administrative, and other expenses, Research and development expenses, and Provision for depreciation and amortization.

Reconciliation of Free Cash Flow

($ in millions)	Q1 2023	Q2 2023	Q3 2023	YTD 2023
Cash provided from operations	$23	$229	$191	$443
Capital expenditures	(64)	(41)	(59)	(164)
Free cash flow	$(41)	$188	$132	$279

The Accounts Receivable Securitization program remains unchanged at $250 outstanding.

Free cash flow is a non-GAAP financial measure. Management believes that this measure is meaningful to investors because management reviews cash flows generated from operations after taking into consideration capital expenditures (due to the fact that these expenditures are considered necessary to maintain and expand the Company's asset base and are expected to generate future cash flows from operations). It is important to note that Free cash flow does not represent the residual cash flow available for discretionary expenditures since other non-discretionary expenditures, such as mandatory debt service requirements, are not deducted from the measure.

Reconciliation of Net Debt

($ in millions)	September 30, 2022	December 31, 2022	March 31, 2023	June 30, 2023	September 30, 2023
Short-term debt	$1	$—	$—	$—	$—
Long-term debt, less amount due within one year	4,170	4,162	3,988	3,989	3,794
Total debt	$4,171	$4,162	$3,988	$3,989	$3,794
Less: Cash, cash equivalents, and restricted cash	454	792	538	536	425
Net debt	$3,717	$3,370	$3,450	$3,453	$3,369

Net debt is a non-GAAP financial measure. Management believes that this measure is meaningful to investors because management assesses the Company's leverage position after factoring in cash that could be used to repay outstanding debt.

Reconciliation of Net Debt to Adjusted EBITDA Excluding Special Items

($ in millions)	Trailing-12 months ended	
	June 30, 2023	September 30, 2023
Net income	$ 532	$ 640
Add:		
Provision for income taxes	$ 183	$ 213
Other expense, net	76	20
Loss on debt redemption	1	1
Interest expense, net	226	223
Restructuring and other charges	52	52
Provision for depreciation and amortization	268	271
Adjusted EBITDA	$ 1,338	$ 1,420
Add:		
Plant fire costs, net	$ 29	$ 5
Collective bargaining agreement negotiation	7	8
Costs associated with closures, supply chain disruptions, and other items	13	13
Adjusted EBITDA excluding Special items	$ 1,387	$ 1,446
Net debt	$ 3,453	$ 3,369
Net debt to Adjusted EBITDA excluding Special items	2.5	2.3

The Company's definition of Adjusted EBITDA (Earnings before interest, taxes, depreciation, and amortization) is net margin plus an add-back for depreciation and amortization. Net margin is equivalent to Sales minus the following items: Cost of goods sold; Selling, general administrative, and other expenses; Research and development expenses; and Provision for depreciation and amortization. Adjusted EBITDA and Adjusted EBITDA excluding special items are non-GAAP financial measures. Management believes that Adjusted EBITDA and Adjusted EBITDA excluding Special items are meaningful to investors because they provide additional information with respect to the Company's operating performance and the Company's ability to meet its financial obligations. The Adjusted EBITDA presented may not be comparable to similarly titled measures of other companies.

Net debt and Net debt to Adjusted EBITDA are non-GAAP financial measures. Management believes that these measures are meaningful to investors because management assesses the Company's leverage position after factoring in cash that could be used to repay outstanding debt. See prior page for reconciliation.

Calculation of Segment Markets Revenue

($ in millions)	Engine Products	Fastening Systems	Engineered Structures	Forged Wheels	Total Segment
Third quarter ended September 30, 2022					
Aerospace - Commercial	$388	$156	$124	$—	$668
Aerospace - Defense	$124	$43	$56	$—	$223
Commercial Transportation	$—	$63	$—	$266	$329
Industrial and Other	$171	$29	$13	$—	$213
Third-party sales market revenue	**$683**	**$291**	**$193**	**$266**	**$1,433**
Second quarter ended June 30, 2023					
Aerospace - Commercial	$446	$184	$141	$—	$771
Aerospace - Defense	$174	$46	$42	$—	$262
Commercial Transportation	$—	$62	$—	$298	$360
Industrial and Other	$201	$37	$17	$—	$255
Third-party sales market revenue	**$821**	**$329**	**$200**	**$298**	**$1,648**
Third quarter ended September 30, 2023					
Aerospace - Commercial	$446	$209	$165	$—	$820
Aerospace - Defense	$165	$41	$45	$—	$251
Commercial Transportation	$—	$67	$—	$285	$352
Industrial and Other	$187	$31	$17	$—	$235
Third-party sales market revenue	**$798**	**$348**	**$227**	**$285**	**$1,658**

Differences between the total segment and consolidated totals are in Corporate.

Revenue includes impacts of foreign currency and material and other inflationary cost pass through.

Diluted EPS Excluding Special items

(In millions, except per-share amounts)	Q3 2020	Q4 2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023
Net income	**$36**	**$106**	**$80**	**$74**	**$27**	**$77**	**$131**	**$147**	**$80**	**$111**	**$148**	**$193**	**$188**
Diluted EPS	**$0.08**	**$0.24**	**$0.18**	**$0.17**	**$0.06**	**$0.18**	**$0.31**	**$0.35**	**$0.19**	**$0.26**	**$0.35**	**$0.46**	**$0.45**
Special items:													
Restructuring and other charges	**$22**	**$16**	**$9**	**$5**	**$8**	**$68**	**$2**	**$6**	**$4**	**$44**	**$1**	**$3**	**$4**
Discrete tax items	**$(41)**	**$(76)**	**$(1)**	**$4**	**$(12)**	**$18**	**$(2)**	**$(7)**	**$(2)**	**$3**	**$21**	**$(7)**	**$(1)**
Other special items:													
Loss on debt redemption and related costs	$—	$—	$—	$23	$120	$4	$—	$2	$—	$—	$1	$—	$—
Plant fire costs (reimbursements), net	7	(19)	10	(3)	1	(11)	5	2	25	4	4	(4)	1
Collective bargaining agreement negotiation	—	2	—	—	—	—	—	—	—	—	—	7	1
Release of tax indemnification receivable	—	53	—	—	—	—	—	—	—	—	—	—	—
Judgment (settlement) from legal proceeding	—	—	—	—	—	—	—	—	65	—	—	(24)	—
Legal and other advisory reimbursements	(2)	(3)	—	(4)	—	—	(3)	—	—	—	—	—	—
Costs associated with closures, supply chain disruptions, and other items	—	(2)	—	—	10	25	—	1	1	1	1	9	1
Reversal of state investment tax credits	—	9	—	—	—	—	—	—	—	—	—	—	—
Other tax items	(2)	4	(3)	2	(2)	3	—	—	—	—	—	2	(1)
Total Other special items	**$3**	**$44**	**$7**	**$18**	**$129**	**$21**	**$2**	**$5**	**$91**	**$5**	**$6**	**$(10)**	**$2**
Tax impact	**$(7)**	**$2**	**$1**	**$(5)**	**$(32)**	**$(54)**	**$(1)**	**$(2)**	**$(21)**	**$(3)**	**$(1)**	**$2**	**$(1)**
Net income excluding Special items	**$13**	**$92**	**$96**	**$96**	**$120**	**$130**	**$132**	**$149**	**$152**	**$160**	**$175**	**$181**	**$192**
Diluted EPS excluding Special items	**$0.03**	**$0.21**	**$0.22**	**$0.22**	**$0.27**	**$0.30**	**$0.31**	**$0.35**	**$0.36**	**$0.38**	**$0.42**	**$0.44**	**$0.46**
Average number of diluted shares	**439**	**438**	**439**	**437**	**434**	**431**	**425**	**422**	**420**	**419**	**418**	**417**	**415**

Net income excluding Special items and Diluted EPS excluding Special items are non-GAAP financial measures. Management believes that these measures are meaningful to investors because management reviews the operating results of the Company excluding the impacts of Restructuring and other charges, Discrete tax items, and Other special items (collectively, "Special items"). There can be no assurances that additional Special items will not occur in future periods. To compensate for this limitation, management believes that it is appropriate to consider both Net income determined under GAAP as well as Net income excluding Special items and Diluted EPS excluding Special items.

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