



## Reconciliation of Net (Loss) Income to Segment Adjusted EBITDA

	Three Months Ended				Twelve Months Ended	Three Months Ended				Twelve Months Ended
(\$ in millions, except %)	March 31, 2021	June 30, 2021	September 30, 2021	December 31, 2021	December 31, 2021	March 31, 2020	June 30, 2020	September 30, 2020	December 31, 2020	December 31, 2020
<b>Reconciliation of net (loss) income from continuing operations to Adjusted EBITDA</b>										
Net (loss) income from continuing operations	(2.8)	(7.9)	4.7	7.8	1.8	(3.3)	34.3	(22.7)	46.0	54.3
(Benefit) provision for income taxes	(5.2)	7.7	2.6	7.0	12.1	(1.7)	(24.6)	21.3	(47.1)	(52.1)
Interest expense, net	10.5	8.7	9.0	8.8	37.0	15.3	15.1	10.4	9.5	50.4
Depreciation and amortization	19.5	20.0	20.6	19.6	79.7	18.7	18.8	19.2	20.4	76.9
<b>EBITDA</b>	<b>22.0</b>	<b>28.5</b>	<b>36.9</b>	<b>43.2</b>	<b>130.6</b>	<b>29.0</b>	<b>43.6</b>	<b>28.2</b>	<b>28.8</b>	<b>129.5</b>
Joint venture depreciation, amortization and interest(a)	3.6	3.7	4.1	4.2	15.6	3.7	3.7	3.6	3.6	14.7
Amortization of investment in affiliate step-up(b)	1.7	1.6	1.6	1.6	6.5	1.7	1.7	1.7	1.6	6.6
Debt extinguishment costs	—	11.7	15.2	—	26.9	2.5	—	14.0	8.5	25.0
Net loss on asset disposals(c)	0.8	1.6	2.2	1.2	5.7	0.2	0.4	0.6	3.5	4.7
Foreign currency exchange loss (gain)(d)	5.1	(1.2)	0.9	(0.1)	4.7	7.1	(3.4)	(4.3)	(4.7)	(5.3)
LIFO (benefit) cost(e)	(0.3)	(0.5)	(1.3)	0.1	(1.9)	(1.7)	(2.0)	(1.3)	(0.4)	(5.3)
Transaction and other related costs(f)	0.5	0.6	0.5	0.4	2.0	0.8	0.4	0.2	(0.3)	1.1
Equity-based compensation	6.3	6.3	10.2	9.0	31.8	4.3	4.6	4.4	3.9	17.2
Restructuring, integration and business optimization expenses(g)	2.3	0.1	0.1	0.6	3.0	0.3	0.8	0.3	0.6	2.0
Defined benefit plan pension (benefit) cost(h)	(0.6)	(0.6)	(1.0)	1.3	(0.9)	(0.1)	(0.2)	(0.2)	(0.1)	(0.6)
Other(i)	0.9	0.9	—	1.7	3.6	0.8	0.4	0.9	0.9	3.0
<b>Adjusted EBITDA</b>	<b>42.3</b>	<b>52.7</b>	<b>69.4</b>	<b>63.2</b>	<b>227.6</b>	<b>48.6</b>	<b>50.0</b>	<b>48.1</b>	<b>45.9</b>	<b>192.6</b>
<b>EBITDA Adjustments by Line Item</b>										
<b>EBITDA</b>	<b>22.0</b>	<b>28.5</b>	<b>36.9</b>	<b>43.2</b>	<b>130.6</b>	<b>29.0</b>	<b>43.6</b>	<b>28.2</b>	<b>28.8</b>	<b>129.5</b>
Cost of goods sold	(0.3)	(0.5)	(1.8)	(0.8)	(3.4)	(1.7)	(1.9)	(1.2)	(0.3)	(5.1)
Selling, general and administrative expenses	6.3	6.3	10.2	9.0	31.8	4.5	4.8	4.6	4.1	18.0
Other operating expense, net	3.8	2.9	2.9	4.7	14.3	1.4	1.7	1.4	4.2	8.7
Equity in net (income) from affiliated companies	1.7	1.6	1.6	1.6	6.5	1.7	1.7	1.7	1.6	6.6
Other expense, net <sup>2</sup>	5.2	10.2	15.5	1.3	32.2	10.0	(3.6)	9.8	3.8	20.2
Joint venture depreciation, amortization and interest(a)	3.6	3.7	4.1	4.2	15.6	3.7	3.7	3.6	3.6	14.7
<b>Adjusted EBITDA</b>	<b>42.3</b>	<b>52.7</b>	<b>69.4</b>	<b>63.2</b>	<b>227.6</b>	<b>48.6</b>	<b>50.0</b>	<b>48.1</b>	<b>45.9</b>	<b>192.6</b>



1. For additional information with respect to each adjustment, see "Reconciliation of Non-GAAP Financial Measures"

2. Other expense (income), net includes debt extinguishment costs

\* Rounding discrepancies may arise when rounding results from dollars (in thousands) to dollars (in millions)



## Descriptions for Reconciliation of Non-GAAP Financial Measures

- a) We use Adjusted EBITDA as a performance measure to evaluate our financial results. Because the Catalyst Technologies segment includes our 50% interest in the Zeolyst Joint Venture, we include an adjustment for our 50% proportionate share of depreciation, amortization and interest expense of the Zeolyst Joint Venture.
- b) Represents the amortization of the fair value adjustments associated with the equity affiliate investment in the Zeolyst Joint Venture as a result of the combination of the businesses of Ecovyst Inc. and Eco Services Operations LLC in May 2016. We determined the fair value of the equity affiliate investment and the fair value step-up was then attributed to the underlying assets of the Zeolyst Joint Venture. Amortization is primarily related to the fair value adjustments associated with fixed assets and intangible assets, including customer relationships and technical know-how.
- c) When asset disposals occur, we remove the impact of net gain/loss of the disposed asset because such impact primarily reflects the non-cash write-off of long-lived assets no longer in use.
- d) Reflects the exclusion of the foreign currency transaction gains and losses in the statements of income primarily related to the non-permanent intercompany debt denominated in local currency translated to U.S. dollars.
- e) Represents non-cash adjustments to the Company's LIFO reserves for certain inventories in the U.S. that are valued using the LIFO method, which we believe provides a means of comparison to other companies that may not use the same basis of accounting for inventories.
- f) Relates to certain transaction costs, including debt financing, due diligence and other costs related to transactions that are completed, pending or abandoned, that we believe are not representative of our ongoing business operations.
- g) Includes the impact of restructuring, integration and business optimization expenses which are incremental costs that are not representative of our ongoing business operations.
- h) Represents adjustments for defined benefit pension plan (benefit) costs in our statements of income. All of our defined benefit pension plan obligations are under defined benefit pension plans that are frozen. As such, we do not view such income or expenses as core to our ongoing business operations.
- i) Other costs consist of certain expenses that are not core to our ongoing business operations, including environmental remediation-related costs, capital and franchise taxes. Included in this line-item are rounding discrepancies that may arise from rounding from dollars (in thousands) to dollars (in millions).