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### **MUSE, STANCIL & CO.**

#### **REFINING MARGINS**

	Gulf Coast	East Coast	Mid- west	West Coast	Northwest Europe	Southeast Asia
<b>September 2023</b>				\$/bbl		
Product revenues	122.52	122.95	112.92	156.28	130.17	108.16
Feedstock costs	(94.62)	(100.42)	(85.89)	(104.69)	(97.30)	(96.48)
Gross margin	27.90	22.53	27.03	51.59	32.87	11.68
Fixed costs	(2.84)	(3.94)	(3.19)	(3.72)	(3.19)	(2.48)
Variable costs	(1.02)	(0.95)	(0.88)	(1.27)	(1.25)	(1.56)
<b>Cash operating margin</b>	<b>24.04</b>	<b>17.64</b>	<b>22.96</b>	<b>46.60</b>	<b>28.43</b>	<b>7.64</b>
August 2023	30.96	24.13	30.31	37.10	30.02	11.10
YTD avg.	26.39	17.52	27.22	28.31	25.53	5.22
2022 avg.	28.22	22.45	34.65	28.88	30.71	8.05
2021 avg.	8.66	6.82	15.64	13.25	5.51	(1.09)
2020 avg.	2.14	1.01	6.98	7.15	1.68	(1.20)

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Source: Muse, Stancil & Co. See OGJ, Jan. 15, 2001, p. 46.

Data available in Oil & Gas Journal Research Center.