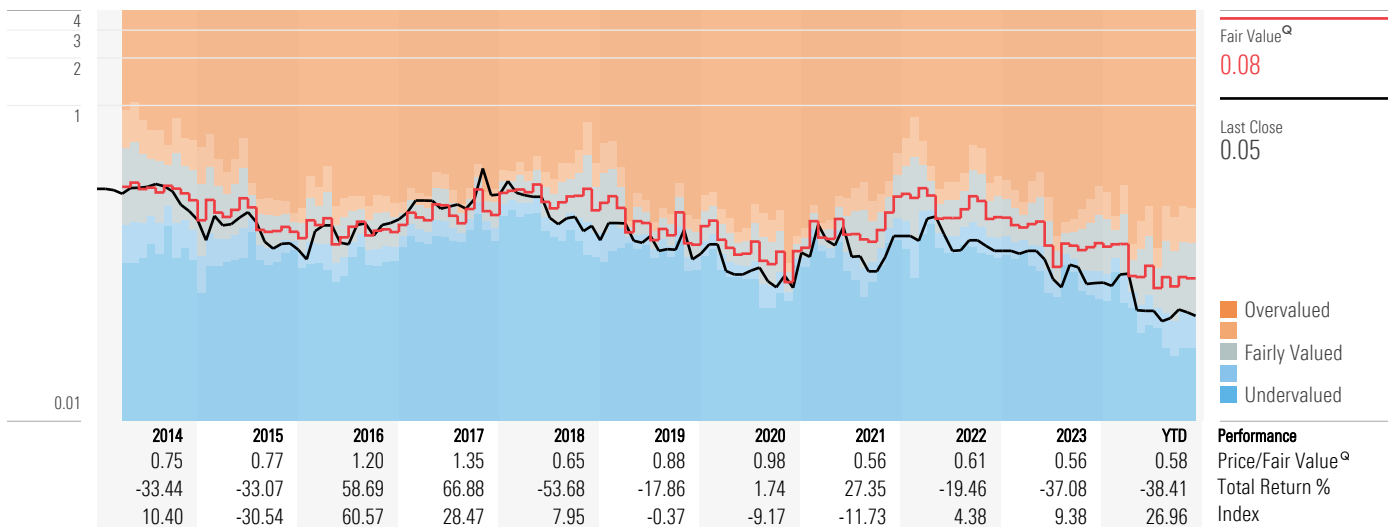


# Volcan Compania Minera SAA Class B XVLB ★★★ Q 6 Nov 2024 23:38, UTC

<b>Economic Moat</b> <sup>Q</sup>	<b>Uncertainty</b> <sup>Q</sup>	<b>Price/Fair Value</b> <sup>Q</sup>	<b>ESG Risk Rating Assessment</b> <sup>1</sup>	<b>Trailing Dividend Yield %</b>	<b>Market Cap</b>	<b>Investment Style</b>	<b>Sector</b>	<b>Industry</b>
None	Extreme	0.58	2 Oct 2024 05:00, UTC	0.00	—	Small Blend	Basic Materials	Other Industrial Metals & Mining



As of 06 Nov 2024 | Index: Morningstar Peru GR PEN. Fair Value data as of 6 Nov 2024 00:00, UTC.

<sup>1</sup>The ESG Risk Rating Assessment is a representation of Sustainalytics' ESG Risk Rating. Lee Davidson, Chief Analytics Officer for Morningstar, Inc, oversees the methodology that supports Quantitative Fair Value Estimates and Quantitative Star Ratings. Mr. Davidson is guided by the Morningstar, Inc. Code of Ethics in carrying out his responsibilities. For information regarding Conflicts of Interests, visit <http://global.morningstar.com/equitydisclosures>.

## Key Metrics as of 5 Nov 2024

Metrics	Value	Percentile in Sector
Earnings Yield (%)	12.9	94.0
Sales Yield (%)	372.0	93.0
Book Value Yield (%)	153.5	82.0
Return on Assets (%)*	1.7	67.0
Revenue(Mil)*	888.6	78.0
Market Value (Mil)	391.7	69.0
Enterprise Value (Bil)	1.1	76.0
EVMV Ratio	2.9	96.0
Volatility TTM (%)	56.0	56.0
Drawdown TTM (%)	52.5	70.0
Volume (Mil)	4.1	88.0

\*30 Sep 2024

## Business Description

Volcan Compania Minera SAA is a Peruvian mining company. All of its operations are located in the central mountains of the Peruvian Andes, which include operating units such as Yauli, Chungar, Alpamarca, and Cerro de Pasco. These four operating units include a total of 10 mines, seven concentrator plants, and an oxide leaching plant. Zinc constitutes the largest contribution to consolidated revenue, and with silver, makes up the vast majority of sales. In addition to the zinc and silver business, the company also mines lead, copper, and gold.

## Valuation <sup>Q</sup> as of 7 Nov 2024

Morningstar maintains a 3-star quantitative star rating for Volcan Compania Minera, derived from the firm's valuation and uncertainty scores. The company's shares last closed at 0.0465, below our quantitative fair value estimate of 0.0804. These shares have traded between a 51.21% and 27.52% discount to their fair value estimate over the past year. In Morningstar's equity coverage universe for this methodology, the company's valuation rating lands at the 23rd percentile; in the basic materials sector, the firm's score lies at the 44th percentile. Furthermore, Volcan Compania Minera maintains a quantitative valuation uncertainty rating of Extreme.

The company has held this star rating over the past year. The uncertainty rating for Volcan Compania Minera has remained Extreme since the previous rating of Very High, which was last assigned on 08/01/2024.

The key factors behind these ratings are the company's earnings yield and volatility. The earnings yield is 13.05%, and its maximum annualized trailing 12-month volatility is 55.97%. The earnings

yield falls at the 94th percentile in the basic materials sector while the volatility is at the 56th percentile. Over the past year, the company's earnings yield has been between -30.29% and 13.95%; its volatility has ranged between 25.58% and 55.97%.

## Economic Moat <sup>Q</sup> as of 6 Nov 2024

With a Morningstar quantitative moat rating of None, the quantitative moat score for Volcan Compania Minera falls below the 5th percentile in the basic materials sector and at the 7th in the equity coverage universe. The company has maintained its None quantitative moat rating for the last year.

We also assign a Moderate quantitative financial health rating to Volcan Compania Minera. The company's raw score on this metric, termed Distance to Default, ranks at the 6th percentile overall and 5th in the basic materials sector. Furthermore, this financial health rating most recently changed from Weak after 06/26/2024.

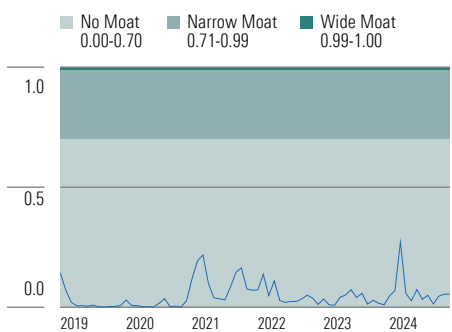
Supporting these ratings are the company's book value yield and enterprise value-to-market value ratio. The book value yield of 155.08%, ranks at the 85th percentile in the covered equity universe and at the 83rd percentile among its peers. Meanwhile, its enterprise value-to-market value ratio of 2.90, falls at the 93rd percentile in the universe and the 95th percentile in the basic materials sector.

## Fundamentals as of 7 Nov 2024

The earnings per share for Volcan Compania Minera is 0.01. The company earns a return on invested capital of 6.23%, falling at the 77th percentile in the basic materials sector. The company did not report a dividend. We calculate the above figures over a trailing 12-month period.


Examining valuation further, we find Volcan Compania Minera holds a price-to-earnings ratio of

## Economic Moat <sup>Q</sup> History as of 6 Nov 2024



# Volcan Compania Minera SAA Class B XVLB ★★★

Q 6 Nov 2024 23:38, UTC

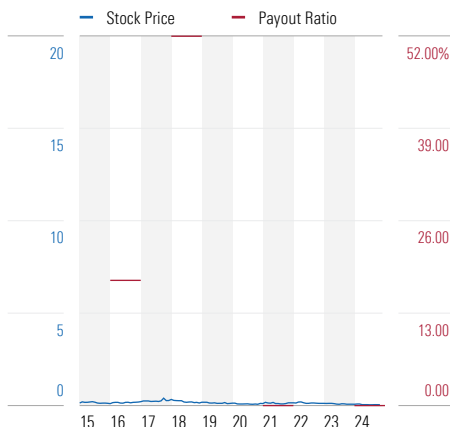
<b>Economic Moat</b> <sup>Q</sup>	<b>Uncertainty</b> <sup>Q</sup>	<b>Price/Fair Value</b> <sup>Q</sup>	<b>ESG Risk Rating Assessment</b> <sup>1</sup>	<b>Trailing Dividend Yield %</b>	<b>Market Cap</b>	<b>Investment Style</b>	<b>Sector</b>	<b>Industry</b>
None	Extreme	0.58	 2 Oct 2024 05:00, UTC	0.00	—	Small Blend	Basic Materials	Other Industrial Metals & Mining

## Earnings as of 5 Nov 2024

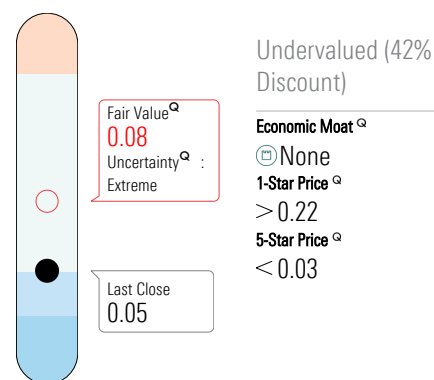
Earnings	%	■ Percentile in Sector
Dividend Yield*	—	—
Payout Ratio*	—	—
Price to Earnings	6.3	11.0
Price to Cash Flow	2.2	4.0
ROIC**	6.2	77.0

\*—  
\*\*30 Sep 2024

## Dividends as of 6 Nov 2024



## Valuation <sup>Q</sup> as of 6 Nov 2024



6.32, a figure greater than 12% of its sector peers. The company's price-to-free cash flow ratio is 2.21, greater than 5% of its sector peers. These values are calculated using the stock's price at last market close.

## Contact

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<https://www.volcan.com.pe>

## Financials (Fiscal Year End 31 Dec 2024)

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	09/2024	Fiscal
1,030.42	790.08	832.69	872.15	789.58	737.39	535.47	937.40	951.27	883.09	888.62	Revenue (Mil)
154.18	36.36	155.75	160.46	156.00	43.42	-33.98	198.63	80.62	71.86	125.39	Operating Income (Mil)
14.96	4.60	18.70	18.40	19.76	5.89	-6.35	21.19	8.47	8.14	8.14	Operating Margin (%)
56.82	-453.91	84.41	-477.47	29.38	-70.33	-150.44	39.87	-81.38	-9.98	31.30	Net Income (Mil)
0.02	-0.12	0.02	-0.12	0.01	-0.02	-0.04	0.01	-0.02	0.00	0.01	Diluted Earnings/Share
—	—	—	—	—	—	—	—	—	—	—	Operating Cash Flow (Mil)
414.27	181.58	113.63	331.32	201.86	171.13	117.41	174.57	221.81	179.93	166.18	Capital Spending (Mil)
-216.47	-9.55	99.06	27.89	22.16	6.03	15.46	149.29	-7.60	14.28	28.61	Free Cash Flow (Mil)
3.86	3.86	3.86	3.88	3.88	3.88	3.88	3.88	3.86	3.86	3.88	Avg Shares Outstand(Bil)

## Valuation as of 6 Nov 2024

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Current	Calendar
0.75	0.77	1.20	1.35	0.65	0.88	0.98	0.56	0.61	0.56	0.58	Price/Fair Value <sup>Q</sup>
1.07	0.63	1.06	1.51	0.77	0.69	0.92	0.80	0.51	0.35	0.22	Price/Sales
10.35	20.03	—	14.29	—	—	—	—	32.31	—	6.30	Price/Earnings
3.93	2.35	5.97	4.74	1.84	3.04	4.07	2.70	1.77	1.68	1.00	Price/Cash Flow
0.61	0.35	0.75	1.17	0.96	0.78	1.06	1.53	1.01	0.85	0.55	Price/Book

## Operating Performance (Fiscal Year End 31 Dec 2024)

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	09/2024	Fiscal (%)
1.92	-16.36	3.22	-19.20	1.30	-3.20	-7.09	1.88	-3.93	-0.52	1.66	Return on Assets
3.83	-36.05	7.85	-55.32	4.69	-11.54	-30.46	9.13	-19.56	-2.70	8.53	Return on Equity
3.55	-22.73	6.15	-30.84	4.38	-3.80	-22.25	18.54	-10.89	7.53	6.23	Rtn on Invested Capital

## Dividends as of 6 Nov 2024

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Current	Calendar (%)
0.01	0.00	0.00	0.01	0.00	—	—	—	—	—	—	Dividend Per Share
3.27	3.01	1.83	2.28	2.55	0.00	0.00	0.00	0.00	0.00	0.00	Trailing Dividend Yield
0.02	0.07	0.00	0.00	0.00	—	—	—	—	0.86	—	Buyback Yield

# Appendix

**Economic Moat** <sup>®</sup>History as of 6 Nov 2024 (No Moat: 0.00-0.70, Narrow Moat: 0.70-0.99, Wide Moat: 0.99-1.00)

Year	January	February	March	April	May	June	July	August	September	October	November	December
2024	0.05	0.07	0.27	0.06	0.03	0.07	0.03	0.05	0.01	0.05	0.05	—
2023	0.03	0.01	0.01	0.04	0.05	0.07	0.04	0.06	0.01	0.03	0.02	0.01
2022	0.07	0.14	0.05	0.11	0.03	0.02	0.02	0.02	0.03	0.05	0.04	0.01
2021	0.12	0.19	0.22	0.10	0.04	0.03	0.03	0.08	0.14	0.16	0.08	0.07
2020	0.03	0.01	0.01	0.00	0.00	0.00	0.02	0.04	0.00	0.00	0.00	0.03
2019	0.14	0.07	0.02	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.01

# Quantitative Equity Report Overview

The quantitative report on equities consists of data, statistics and quantitative equity ratings on equity securities. Morningstar, Inc.'s quantitative equity ratings are forward looking and are generated by a statistical model that is based on Morningstar Inc.'s analyst-driven equity ratings and quantitative statistics. Given the nature of the quantitative report and the quantitative ratings, there is no one analyst in which a given report is attributed to; however, Mr. Lee Davidson, Head of Quantitative Research for Morningstar, Inc., is responsible for overseeing the methodology that supports the quantitative equity ratings used in this report. As an employee of Morningstar, Inc., Mr. Davidson is guided by Morningstar, Inc.'s Code of Ethics and Personal Securities Trading Policy in carrying out his responsibilities.

## Quantitative Equity Ratings

Morningstar's quantitative equity ratings consist of: (i) Quantitative Fair Value Estimate, (ii) Quantitative Star Rating, (iii) Quantitative Uncertainty, (iv) Quantitative Economic Moat, and (v) Quantitative Financial Health (collectively the "Quantitative Ratings").

The Quantitative Ratings are calculated daily and derived from the analyst-driven ratings of a company's peers as determined by statistical algorithms. Morningstar, Inc. ("Morningstar", "we", "our") calculates Quantitative Ratings for companies whether or not it already provides analyst ratings and qualitative coverage. In some cases, the Quantitative Ratings may differ from the analyst ratings because a company's analyst-driven ratings can significantly differ from other companies in its peer group.

i. **Quantitative Fair Value Estimate:** Intended to represent Morningstar's estimate of the per share dollar amount that a company's equity is worth today. Morningstar calculates the Quantitative Fair Value Estimate using a statistical model derived from the Fair Value Estimate Morningstar's equity analysts assign to companies. Please go to <http://global.morningstar.com/equitydisclosures> for information about Fair Value Estimate Morningstar's equity analysts assign to companies.

ii. **Quantitative Economic Moat:** Intended to describe the strength of a firm's competitive position. It is calculated using an algorithm designed to predict the Economic Moat rating a Morningstar analyst would assign to the stock. The rating is expressed as Narrow, Wide, or None.

**Narrow** – assigned when the probability of a stock receiving a "Wide Moat" rating by an analyst is greater than 70% but less than 99%.

**Wide** – assigned when the probability of a stock receiving a "Wide Moat" rating by an analyst is greater than 99%.

**None** – assigned when the probability of an analyst receiving a "Wide Moat" rating by an analyst is less than 70%.

iii. **Quantitative Star Rating:** Intended to be the summary rating based on the combination of our Quantitative Fair Value Estimate, current market price, Quantitative Uncertainty Rating, and momentum. The rating is expressed as One-Star, Two-Star, Three-Star, Four-Star, and Five-Star.

★ – the stock is overvalued with a reasonable margin of safety.

*Log (Quant FVE/Price) < -1\*Quantitative Uncertainty*

*Micro-Caps: Log (Quant FVE/Price) < -1.5\*Quantitative Uncertainty*

★★ – the stock is somewhat overvalued.

*Log (Quant FVE/Price) between (-1\*Quantitative Uncertainty, -0.5\*Quantitative Uncertainty)*

*Micro-Caps: Log (Quant FVE/Price) between (-1.5\*Quantitative Uncertainty, -0.75\*Quantitative Uncertainty)*

★★★ – the stock is approximately fairly valued.

*Log (Quant FVE/Price) between (-0.5\*Quantitative Uncertainty, 0.5\*Quantitative Uncertainty)*

*Micro-Caps: Log (Quant FVE/Price) between (-0.75\*Quantitative Uncertainty, 0.75\*Quantitative Uncertainty)*

★★★★ – the stock is somewhat undervalued.

*Log (Quant FVE/Price) between (0.5\*Quantitative Uncertainty, 1\*Quantitative*

*Uncertainty)*

*Micro-Caps: Log (Quant FVE/Price) between (0.75\*Quantitative Uncertainty, 1.5\*Quantitative Uncertainty)*

★★★★★ – the stock is undervalued with a reasonable margin of safety.

*Log (Quant FVE/Price) > 1\*Quantitative Uncertainty*

*Micro-Caps: Log (Quant FVE/Price) > 1.5\*Quantitative Uncertainty*

After the initial calculation for the star rating, there is a final filtering step based on the momentum of the company. We rank the companies based on their 12-1 month momentum, then restrict those below the 30th percentile to a maximum of 3 stars.

iv. **Quantitative Uncertainty:** Intended to represent Morningstar's level of uncertainty about the accuracy of the Quantitative Fair Value Estimate. Generally, the lower the Quantitative Uncertainty, the narrower the potential range of outcomes for that particular company. The rating is expressed as Low, Medium, High, Very High, and Extreme.

**Low** – the interquartile range for possible fair values is less than 10%

**Medium** – the interquartile range for possible fair values is less than 15% but greater than 10%

**High** – the interquartile range for possible fair values is less than 35% but greater than 15%

**Very High** – the interquartile range for possible fair values is less than 80% but greater than 35%

**Extreme** – the interquartile range for possible fair values is greater than 80%

v. **Quantitative Financial Health:** Intended to reflect the probability that a firm will face financial distress in the near future. The calculation uses a predictive model designed to anticipate when a company may default on its financial obligations. The rating is expressed as Weak, Moderate, and Strong.

**Weak** – assigned when Quantitative Financial Health < 0.2

**Moderate** – assigned when Quantitative Financial Health is between 0.2 and 0.7

**Strong** – assigned when Quantitative Financial Health > 0.7

## Other Definitions

i. **Last Close** – Price of the stock as of the close of the market of the last trading day before date of the report.

ii. **Quantitative Valuation** – Using the below terms, intended to denote the relationship between the security's **Last Price** and Morningstar's quantitative fair value estimate for that security.

**Undervalued – Last Price** is below Morningstar's quantitative fair value estimate.

**Fairly Valued – Last Price** is in line with Morningstar's quantitative fair value estimate.

**Fairly Valued – Last Price** is in line with Morningstar's quantitative fair value estimate.

**Overvalued – Last Price** is above Morningstar's quantitative fair value estimate.

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Sustainalytics analyzes over 1,300 data points to assess a company's exposure to and management of ESG risks. In other words, ESG Risk Ratings measures a company's unmanaged ESG Risks represented as a quantitative score. Unmanaged Risk is measured on an open-ended scale starting at zero (no risk) with lower scores representing less unmanaged risk and, for 95% of cases, the unmanaged ESG Risk score is below 50.

Based on their quantitative scores, companies are grouped into one of five Risk Categories (negligible, low, medium, high, severe). These risk categories are absolute, meaning that a 'high risk' assessment reflects a comparable degree

of unmanaged ESG risk across all subindustries covered.

The ESG Risk Rating Assessment is a visual representation of Sustainalytics ESG Risk Categories on a 1 to 5 scale. Companies with Negligible Risk = 5 Globes, Low Risk = 4, Medium Risk = 3 Globes, High Risk = 2 Globes, Severe Risk = 1 Globe. For more information, please visit [sustainalytics.com/esg-ratings/](https://sustainalytics.com/esg-ratings/)

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