UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 14A

Proxy Statement Pursuant to Section 14(a) of the Securities Exchange Act of 1934 (Amendment No. 1)

and both titles Extending First of 175 (Time name in 176 T)
Filed by the Registrant ⊠
Filed by a Party other than the Registrant □
Check the appropriate box:
☐ Preliminary Proxy Statement
☐ Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2))
☐ Definitive Proxy Statement
☐ Definitive Additional Materials
Soliciting Material under §240.14a-12
HAYNES INTERNATIONAL, INC.
HAYNES INTERNATIONAL, INC. (Name of Registrant as Specified In Its Charter)
(Name of Registrant as Specified In Its Charter) (Name of Person(s) Filing Proxy Statement, if other than the Registrant)
(Name of Registrant as Specified In Its Charter) (Name of Person(s) Filing Proxy Statement, if other than the Registrant) Payment of Filing Fee (Check the appropriate box):
(Name of Registrant as Specified In Its Charter) (Name of Person(s) Filing Proxy Statement, if other than the Registrant) Payment of Filing Fee (Check the appropriate box): No fee required.
(Name of Registrant as Specified In Its Charter) (Name of Person(s) Filing Proxy Statement, if other than the Registrant) Payment of Filing Fee (Check the appropriate box): No fee required. □ Fee paid previously with preliminary materials.
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Key Benefits

- Strengthens our company with a \$170M investment, the vast majority of which will be invested in Kokomo, including a VIM and a forge
- Ensures our success for the long-term and validates the strength of our business
- Builds on our strong foundation and industry leadership position
- Supports our continued success and drives innovation
- Brings us access to the deep expertise and valuable relationships of Acerinox, parent company of North American Stainless
- Best positions us to serve our people, customers and partners

Why NAS?

- Largest integrated stainlesssteel company in the U.S.
- Over 1,500 employees across North America with 4.4 millionsquare-foot facility in Kentucky
- Wholly owned subsidiary of Acerinox, a global leader in the manufacturing of stainless steel and high-performance alloys
- Acerinox has global holdings across Europe and South Africa, including VDM Metals, the largest nickel alloy producer in the world
- Acerinox bring a proven track record of driving sustainable growth across its portfolio – investing over \$2.5 billion in NAS since its establishment in 1990

What next?

- Business as usual -- remain focused on your day-to-day responsibilities
- Haynes remains an independent company until transaction close
- Transaction close expected by the third calendar quarter of 2024, subject to customary closing conditions, including shareholder and regulatory approvals
- We will keep you updated as we move forward

Thank you for your hard work and commitment to Haynes—we look forward to this next chapter together.

This is a milestone we have achieved because of your commitment and the dedication you bring every single day. Our number one priority should continue to be delivering the excellent service and products that our customers expect from Haynes.

Cautionary Statement Regarding Forward-Looking Statements

This communication contains statements that constitute "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995, Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934, each as amended. All statements other than statements of historical fact, including statements regarding market and industry prospects and future results of operations or financial position, made in this communication are forward-looking. In many cases, you can identify forward-looking statements by terminology, such as "may," should", "expects", "intends", "plans", "anticipates", "believes", "estimates", "predicts", "potential" or "continue" or the negative of such terms and other comparable terminology. Statements in this communication that are forward-looking may include, but are not limited to, statements regarding the benefits of the proposed acquisition of Haynes International, Inc. ("Haynes") by North American Stainless, Inc. ("Parent") and the associated integration plans, expected synergies and capital expenditure commitments, anticipated future operating performance and results of Haynes, the expected management and governance of Haynes following the acquisition and expected timing of the closing of the proposed acquisition and other transactions contemplated by the merger agreement governing the proposed acquisition (the "Merger Agreement").

There may also be other statements of expectations, beliefs, future plans and strategies, anticipated events or trends and similar expressions concerning matters that are not historical facts. Readers are cautioned that any such forward-looking statements are not guarantees of future performance and involve risks and uncertainties, many of which are difficult to predict and are generally outside Haynes' control, that could cause a cutal performance or results to differ materially from those expressed in, or mighled or projected by, the forward-looking statements. Such risks and uncertainties include, but are not limited to: the occurrence of any event, change or other circumstance that could give rise to the right of Haynes or Parent or both of them to terminate the Merger Agreement, including circumstances are requiring a party to pay the other party a termination fee pursuant to the Merger Agreement; the failure to obtain applicable regulatory or Haynes stockholder approval in a timely manner or otherwise; the risk that the acquisition may not close in the anticipated timeframe or at all due to one or more of the other closing conditions to the transaction not being satisfied or waived; the risk that there may be unexpected costs, charges or expenseser essulting from the proposed acquisition, risks related to the ability of Haynes and Parent to successfully integrate the businesses and achieve the expected synergies and operating efficiencies within the expected timeframes or at all and the possibility that supplementary be more difficult, time consuming or costly than expected; risks that the proposed transaction disrupts Haynes' or Parent's current plans and operations; the risk that certain restrictions during the pendency of the proposed transaction may impact Haynes' or Parent's ability to pursue certain business opportunities or strategic transactions; risks related to disruption of each company's management's time and attention from ongoing business operations due to the proposed transaction; continued

Also, Haynes' actual results may differ materially from those contemplated by the forward-looking statements for a number of additional reasons as described in Haynes' filings with the Securities and Exchange Commission (the "SEC"), including those set forth in the Risk Factors section and under any "Forward-Looking Statements" or similar heading in Haynes' most recently filed Annual Report on Form 10-K filed November 16, 2023 and Haynes' Current Reports on Form 8-K.

Haynes has based these forward-looking statements on its current expectations and projections about future events. Although Haynes believes that the assumptions on which the forward-looking statements contained herein are based are reasonable, any of those assumptions could prove to be inaccurate. As a result, the forward-looking statements based upon those assumptions also could be inaccurate. Except to the extent required by law, Haynes undertakes no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

Additional Information and Where to Find It

This communication is being made in respect to the proposed transaction involving Haynes and Parent. A meeting of the stockholders of Haynes will be announced as promptly as practicable to seek Haynes stockholder approval in connection with the proposed transaction. Haynes intends to file relevant materials with the SEC, including that Haynes will file a preliminary and definitive proxy statement relating to the proposed transaction. The definitive proxy statement will be mailed to Haynes' stockholders. This communication is not a substitute for the proxy statement or any other document that may be filed by Haynes with the SEC.

BEFORE MAKING ANY DECISION, HAYNES STOCKHOLDERS ARE URGED TO CAREFULLY READ THE PRELIMINARY AND DEFINITIVE PROXY STATEMENTS (INCLUDING ANY AMENDMENTS OR SUPPLEMENTS THE OR TO BE FILED WITH THE SEC IN CONNECTION WITH THE PROPOSED TRANSACTION OR INCORPORATED BY REFERENCE INTO THE PROXY STATEMENT WHEN THEY BECOME AVAILABLE BECAUSE THEY WILL CONTAIN IMPORTANT INFORMATION ABOUT THE PROPOSED TRANSACTION.

Any vote in respect of resolutions to be proposed at Haynes' stockholder meeting to approve the proposed transaction or other responses in relation to the proposed transaction should be made only on the basis of the information contained in Haynes' proxy statement. You will be able to obtain a free copy of the proxy statement and other related documents (when available) filed by Haynes with the SEC at the website maintained by the SEC at twww.sec.gov or by accessing the Investors section of Haynes' website at https://www.haynesinfl.com.

No Offer or Solicitation

This communication is for information purposes only and is not intended to and does not constitute, or form part of, an offer, invitation or the solicitation of an offer or invitation to purchase, otherwise acquire, subscribe for, sell or otherwise dispose of any securities, or the solicitation of any vote or approval in any jurisdiction, pursuant to the proposed transaction or otherwise, nor shall there be any sale, issuance or transfer of securities in any jurisdiction in contravention of applicable law. No offer of securities shall be made except by means of a prospectus meeting the requirements of Section 10 of the Securities Act of 1933, as amended.

Participants in the Solicitation

Haynes and its directors and executive officers may be deemed to be "participants" (as defined under Section 14(a) of the Securities Exchange Act of 1934) in the solicitation of proxies from Haynes' stockholders in connection with the proposed transaction. Information regarding Haynes' (i) directors is set forth in the section entitled "Business Experience of Nominated Directors' starting on page 10 of Haynes' Definitive Proxy Statement on Schedule 14A filed with the SEC on January 9, 2024 and the Annual Report on Form ARS filed with the SEC on January 9, 2024 (and available here and here), and (ii) executive officers is set forth in the section entitled "Information about the compensation of Haynes' non-employee directors is set forth in the section entitled "Director Compensation Program" starting on page 18 of Haynes' Definitive Proxy Statement on Schedule 14A filed with the SEC on January 9, 2024 and evailable here and here). Information about the compensation of Haynes' none executive officers is set forth in the section entitled "Executive Compensation" starting on page 18 of Haynes' Definitive Proxy Statement on Schedule 14A filed with the SEC on January 9, 2024 and evailable here and here). Information about the compensation of Haynes' named executive officers is set forth in the section entitled "Executive Compensation" starting on page 25 of Haynes' Definitive Proxy Statement on Schedule 14A filed with the SEC on January 9, 2024 and evailable here and here). Information about the compensation of Haynes' named executive officers is set forth in the section entitled "Executive Compensation" starting on page 25 of Haynes' Definitive Proxy Statement on Schedule 14A filed with the SEC on January 9, 2024 and here). Information about the section entitled "Conflict of Interest and Related Person Transactions with related persons (as defined in the med 40 of Regulation S-K promulgated under the Securities Act of 1933) are disclosed in the section entitled "Conflict of Interest and Related Person Transactions'