UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

FORM 8-K

Current Report Pursuant to Section 13 or 15(d)
Of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): April 5, 2012

TITAN MACHINERY INC.

(Exact Name of Registrant as Specified in its Charter)

Delaware

(State or Other Jurisdiction of Incorporation)

001-33866 (Commission File Number) 45-0357838 (IRS Employer Identification No.)

644 East Beaton Drive
West Fargo, North Dakota 58078
(Address of Principal Executive Offices) (Zip Code)

(701) 356-0130 (Registrant's Telephone Number, Including Area Code)

Not Applicable

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

| Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425) |
|--|
| Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12) |
| Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b)) |
| Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c)) |
| |

Item 2.02 Results of Operations and Financial Condition

On April 11, 2012, Titan Machinery Inc. (the "Company") issued a press release announcing its financial results for its fourth quarter and fiscal year ended January 31, 2012. The Company will be conducting a conference call to discuss its full year and fourth quarter of fiscal 2012 financial results at 7:30 a.m. Central time on April 11, 2012. The full text of the press release is set forth in Exhibit 99.1 attached hereto and is incorporated by reference in this Current Report on Form 8-K as if fully set forth herein.

Item 5.02 Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.

On April 5, 2012, Dr. Gordon Paul Anderson informed the Board of Directors (the "Board") of Titan Machinery Inc. (the "Company") that he will not stand for reelection to the Board at the Company's 2012 Annual Meeting of Stockholders, scheduled to be held June 1, 2012. Mr. Anderson's decision not to stand for reelection is the result of his retirement and is not related to any disagreement with the Company's operations, policies or practices.

Item 9.01 Financial Statements and Exhibits.

- (a) Financial statements: None
- (b) Pro forma financial information: None
- (c) Shell Company Transactions: None
- (d) Exhibits: 99.1

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

TITAN MACHINERY INC.

Date: April 11, 2012 By /s/ Mark P. Kalvoda

Mark P. Kalvoda Chief Financial Officer

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UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

EXHIBIT INDEX to FORM 8-K

TITAN MACHINERY INC.

| | TITAN MACHINERY INC. | |
|-----------------------------------|------------------------------------|--------------------------------|
| Date of Report: April 11, 2012 | | Commission File No.: 001-33866 |
| Exhibit No. | ПЕМ | |
| 99.1 | Press Release dated April 11, 2012 | |
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Titan Machinery Inc. Announces Fiscal Fourth Quarter and Full Year Ended January 31, 2012 Results

-Company Exceeds Revenue, Net Income and Diluted EPS Guidance Range for Fiscal 2012-

-Fourth Quarter Revenue Increased 65% to \$607 Million and Earnings Per Diluted Share Grew to \$0.84-

-Company Continued to Execute on Acquisition Strategy in Upper Midwest and Internationally-

- Company Issues Fiscal 2013 Guidance -

West Fargo, ND — April 11, 2012 — Titan Machinery Inc. (Nasdaq: TITN), a leading network of full-service agricultural and construction equipment stores, today reported financial results for the fiscal fourth quarter and full year ended January 31, 2012.

Fiscal 2012 Fourth Quarter Results

For the fourth quarter of fiscal 2012, revenue increased 64.9% to \$607.0 million from revenue of \$368.1 million in the fourth quarter last year. All three of the Company's main revenue sources—equipment, parts and service—contributed to this period-over-period revenue growth. Equipment sales were \$517.1 million for the fourth quarter of fiscal 2012, compared to \$310.9 million in the fourth quarter last year. Parts sales were \$45.7 million for the fourth quarter of fiscal 2012, compared to \$29.9 million in the fourth quarter last year. Revenue generated from service was \$27.3 million for the fourth quarter of fiscal 2012, compared to \$19.6 million in the fourth quarter last year.

Gross profit for the fourth quarter of fiscal 2012 was \$92.8 million, compared to \$56.1 million in the fourth quarter last year. The Company's gross profit margin was 15.3% in the fourth quarter of fiscal 2012, compared to 15.2% in the fourth quarter last year. Gross profit from parts, service and rental revenue for the fourth quarter of fiscal 2012 increased to \$35.9 million from \$22.0 million in the fourth quarter of last year.

Operating expenses decreased to 9.9% of revenue for the fourth quarter of fiscal 2012, compared to 10.5% for the fourth quarter of last year, reflecting improved fixed operating cost leverage.

Pre-tax income for the fourth quarter of fiscal 2012 was \$29.6 million, compared to \$17.2 million in the fourth quarter last year. Pre-tax margin was 4.9% for the fourth quarter of fiscal 2012, compared to 4.7% in the fourth quarter last year. Pre-tax Agriculture segment income was \$30.4 million for the fourth quarter of fiscal 2012, compared to \$18.6 million in the fourth quarter last year. Pre-tax Construction segment income was \$1.0 million for the fourth quarter of fiscal 2012, compared to a loss of \$0.5 million in the fourth quarter last year.

Net income attributable to common stockholders for the fourth quarter of fiscal 2012 was \$17.6 million, compared to \$10.3 million in the fourth quarter last year. Earnings per diluted share for the fourth quarter of fiscal 2012 were \$0.84 on approximately 20.9 million weighted average diluted common shares outstanding, compared to \$0.57 on approximately 18.1 million weighted average diluted common shares outstanding in the fourth quarter last year. The increase in weighted average diluted common shares outstanding was primarily due to the Company's May 2011 follow-on offering.

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Fiscal 2012 Full Year Results

For the full year ended January 31, 2012, revenue increased 51.6% to \$1.66 billion from \$1.09 billion for fiscal 2011. Gross margin for fiscal 2012 was 16.6%, compared to 15.9% in fiscal 2011. Pre-tax income for fiscal 2012 was \$73.6 million for a pre-tax margin of 4.4%, compared to \$37.2 million, or a pre-tax margin of 3.4%, for fiscal 2011. Net income attributable to common stockholders for fiscal 2012 was \$43.8 million, or \$2.18 per diluted share, compared to \$22.1 million, or \$1.23 per diluted share, for fiscal 2011. The weighted average diluted common shares outstanding for fiscal 2012 were 20.1 million, compared to 18.0 million weighted average diluted common shares outstanding for fiscal 2011.

Balance Sheet

The Company ended fiscal 2012 with cash and cash equivalents of \$79.8 million. Working capital as of January 31, 2012 was \$259.1 million. The Company's inventory level was \$748.0 million as of January 31, 2012, compared to \$429.8 million at the end of fiscal 2011 and \$738.3 million as of October 31, 2011. The increase in inventory primarily reflects an increase in new equipment to support the Company's revenue outlook for fiscal 2013. The Company had available \$182.8 million of its \$700 million total discretionary floorplan lines of credit as of January 31, 2012. The total floorplan lines were expanded to \$800 million in March when the Company increased its floorplan line under its senior secured credit facility with a group of banks led by Wells Fargo Bank, National Association.

Acquisitions & New Store Opening

In the fourth quarter of fiscal 2012, the Company completed three acquisitions, consisting of two agriculture equipment dealerships in the United States and two agriculture dealerships in Europe. In addition, subsequent to the end of the fourth quarter of fiscal 2012, the Company completed four acquisitions, consisting of one agriculture equipment dealership in the United States, three construction equipment dealership locations in the United States, one independent rental yard location in the United States, and seven agriculture equipment dealership locations in Europe. The Company also opened one new agriculture equipment dealership in Europe.

The Company's expansion into Europe represents an additional growth platform and an opportunity to capture a larger percentage of the global agriculture economy by leveraging its proven operating model and dealership experience. In addition, the Company expanded its construction footprint into Colorado with the acquisition of three locations and increased the size of its rental business with an additional rental yard acquisition. The Company continues to execute on its agriculture acquisitions and strengthen its contiguous network of dealerships in the Upper Midwest.

Management Comments

David Meyer, Titan Machinery's Chairman and Chief Executive Officer, stated, "We are pleased with our strong fourth quarter and full year results, as we delivered another record year of revenue and net income for Titan Machinery. In fiscal 2012, we generated strong organic and acquired growth, as a result of several factors, including the continuation of a robust agriculture equipment market, an improved construction equipment market in the region in which we do business, and growth in our construction equipment rental business. In the fourth quarter, equipment demand was driven by strong net farm income for calendar year 2011 and an improving construction market, enabling us to exceed our fiscal 2012 annual revenue and net income guidance."

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Mr. Meyer continued, "As we begin fiscal 2013, we are excited about the outlook for our business and are confident that we are well positioned to build upon our positive momentum and generate another record year for Titan Machinery. We expect to benefit from continued organic and acquired growth, including our international expansion into Romania and Bulgaria and our expanding footprint in our core Upper Midwest market. In addition, the operating environment remains favorable for our customers for both of our business segments."

Fiscal 2013 Outlook

The Company evaluates its financial performance based on its customers' annual production cycles as opposed to a quarterly basis, due to weather fluctuations and the seasonal nature of each customer's business. The Company is anticipating achieving increased revenue for the full year ending January 31, 2013 in a range of \$1.95 billion to \$2.1 billion. Net income attributable to common stockholders is expected to be in the range of \$53.8 million to \$58.0 million, resulting in an earnings per diluted share range of \$2.55 to \$2.75 based on estimated weighted average diluted common shares outstanding of 21.1 million.

Conference Call and Presentation Information

The Company will host a conference call and audio webcast today at 7:30 a.m. Central time (8:30 a.m. Eastern time). A copy of the presentation that will accompany the prepared remarks from the conference call is available on the Company's website under Investor Relations at www.titanmachinery.com. An archive of the audio webcast will be available on the Company's website under Investor Relations at www.titanmachinery.com 30 days following the audio webcast.

Investors interested in participating in the live call can dial (888) 515-2235 from the U.S. International callers can dial (719) 457-2652. A telephone replay will be available approximately two hours after the call concludes and will be available through Wednesday, April 25, 2012, by dialing (877) 870-5176 from the U.S., or (858) 384-5517 from international locations, and entering confirmation code 4427456.

About Titan Machinery Inc.

Titan Machinery Inc., founded in 1980 and headquartered in West Fargo, North Dakota, is a multi-unit business with mature locations and newly-acquired locations. The Company owns and operates a network of full service agricultural and construction equipment stores in the United States and Europe. The Titan Machinery network consists of 96 North American dealerships in North Dakota, South Dakota, Iowa, Minnesota, Montana, Nebraska, Wyoming, Wisconsin, and Colorado, including two outlet stores, as well as 10 European dealerships in Romania and Bulgaria. The Titan Machinery dealerships represent one or more of the CNH Brands (NYSE: CNH), a majority-owned subsidiary of Fiat Industrial (Milan: FI.MI), including Case IH, New Holland Agriculture, Case Construction, New Holland Construction, Kobelco and CNH Capital. Additional information about Titan Machinery Inc. can be found at www.titanmachinery.com.

Forward Looking Statements

Except for historical information contained herein, the statements in this release are forward-looking and made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. Forward-looking statements made herein, which include statements regarding the integration of and benefits from recent acquisitions, additional growth and domestic and international acquisition opportunities and the Company's ability to capitalize on such opportunities, industry operating environment expectations, growth

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and profitability expectations, and the expected results of operations for the fiscal year ending January 31, 2013, involve known and unknown risks and uncertainties that may cause Titan Machinery's actual results in current or future periods to differ materially from forecasted results. The Company's risks and uncertainties include, among other things, a substantial dependence on a single distributor, the continued availability of organic growth and acquisition opportunities, potential difficulties integrating acquired stores, industry supply levels, fluctuating agriculture and construction industry economic conditions, the success of recently implemented initiatives within the Company's Construction segment, the uncertainty and fluctuating conditions in the capital and credit markets, difficulties in conducting international operations, governmental agriculture policies, seasonal fluctuations, climate conditions, disruption in receiving ample inventory financing, and increased competition in the geographic areas served. These and other risks are more fully described in Titan Machinery's filings with the Securities and Exchange Commission, including the Company's most recently filed Annual Report on Form 10-K. Titan Machinery conducts its business in a highly competitive and rapidly changing environment. Accordingly, new risk factors may arise. It is not possible for management to predict all such risk factors, nor to assess the impact of all such risk factors on Titan Machinery's business or the extent to which any individual risk factor, or combination of factors, may cause results to differ materially from those contained in any forward-looking statement. Titan Machinery disclaims any obligation to update such factors or to publicly announce results of revisions to any of the forward-looking statements contained herein to reflect future events or developments.

Investor Relations Contact:

ICR, Inc.
John Mills, jmills@icrinc.com
Senior Managing Director

TITAN MACHINERY INC. Consolidated Balance Sheets (in thousands, except per share data)

| | • | January 31, 2012 | J | anuary 31, 2011 |
|--|----|---------------------|----|--------------------|
| ASSETS | | , | | |
| CURRENT ASSETS | | | | |
| Cash and cash equivalents | \$ | 79,842 | \$ | 76,112 |
| Receivables, net | | 82,518 | | 44,945 |
| Inventories | | 748,047 | | 429,844 |
| Prepaid expenses and other | | 2,108 | | 1,003 |
| Income taxes receivable | | 3,140 | | _ |
| Deferred income taxes | | 5,370 | | 3,247 |
| Total current assets | | 921,025 | | 555,151 |
| INTANGIBLES AND OTHER ASSETS | | | | |
| Noncurrent parts inventories | | 2,792 | | 2,405 |
| Goodwill | | 24,404 | | 18,391 |
| Intangible assets, net of accumulated amortization | | 10,793 | | 4,734 |
| Other | | 2,776 | | 2,793 |
| Total intangibles and other assets | | 40,765 | | 28,323 |
| PROPERTY AND EQUIPMENT, net of accumulated depreciation | | 126,282 | | 65,372 |
| TOTAL ASSETS | \$ | 1,088,072 | \$ | 648,846 |
| LIABILITIES AND STOCKHOLDERS' EQUITY | | | | |
| CURRENT LIABILITIES | | | | |
| Accounts payable | \$ | 28,424 | \$ | 15,957 |
| Floorplan notes payable | | 552,428 | | 320,801 |
| Current maturities of long-term debt and short-term advances | | 4,755 | | 4,207 |
| Customer deposits | | 49,540 | | 28,180 |
| Accrued expenses | | 26,735 | | 16,816 |
| Income taxes payable | | | | 2,093 |
| Total current liabilities | | 661,882 | | 388,054 |
| LONG-TERM LIABILITIES | | | | |
| Long-term debt, less current maturities | | 57,405 | | 33,409 |
| Deferred income taxes | | 28,592 | | 9,012 |
| Other long-term liabilities | | 2,854 | | 3,814 |
| Total long-term liabilities | | 88,851 | | 46,235 |
| STOCKHOLDERS' EQUITY | | | | |
| Common stock, par value \$.00001 per share, authorized - 25,000 shares; issued and outstanding - 20,911 at | | | | |
| January 31, 2012 and 17,917 at January 31, 2011 | | _ | | _ |
| Additional paid-in-capital | | 218,156 | | 140,466 |
| Retained earnings | | 118,251 | | 74,091 |
| Accumulated other comprehensive loss | | (70) | | |
| Total Titan Machinery Inc. stockholders' equity | | 336,337 | | 214,557 |
| Noncontrolling interest | | 1,002 | | _ |
| Total stockholders' equity | | 337,339 | | 214,557 |
| | | | | |

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| | January 31, | | | | January 31, | | | | |
|--|-------------|------------|----|-------------|-------------|-----------|--------|-----------|--|
| | | | | 2011 | | 2012 | 1y 31, | 2011 | |
| | | Unaudited) | | (Unaudited) | | | | | |
| REVENUE | | | | | | | | | |
| Equipment | \$ | 517,084 | \$ | 310,856 | \$ | 1,303,900 | \$ | 855,443 | |
| Parts | | 45,734 | | 29,944 | | 201,404 | | 140,982 | |
| Service | | 27,272 | | 19,621 | | 103,474 | | 74,506 | |
| Rental and other | | 16,928 | | 7,638 | | 50,214 | | 23,558 | |
| TOTAL REVENUE | | 607,018 | | 368,059 | | 1,658,992 | | 1,094,489 | |
| COST OF REVENUE | | | | | | | | | |
| Equipment | | 460,197 | | 276,754 | | 1,171,618 | | 773,060 | |
| Parts | | 31,561 | | 21,615 | | 140,096 | | 100,281 | |
| Service | | 10,061 | | 7,391 | | 37,236 | | 27,767 | |
| Rental and other | | 12,389 | | 6,200 | | 34,581 | | 18,813 | |
| TOTAL COST OF REVENUE | | 514,208 | _ | 311,960 | | 1,383,531 | | 919,921 | |
| TOTAL COST OF REVENUE | · <u> </u> | 314,208 | | 311,900 | | 1,383,331 | | 919,921 | |
| GROSS PROFIT | | 92,810 | | 56,099 | | 275,461 | | 174,568 | |
| OPERATING EXPENSES | | 60,304 | | 38,684 | | 193,860 | | 130,541 | |
| INCOME FROM OPERATIONS | | 32,506 | | 17,415 | | 81,601 | | 44,027 | |
| OTHER INCOME (EXPENSE) | | | | | | | | | |
| Interest and other income | | 784 | | 1,380 | | 1,643 | | 1,794 | |
| Floorplan interest expense | | (3,202) | | (1,373) | | (8,323) | | (7,223) | |
| Interest expense other | | (448) | | (232) | | (1,347) | | (1,361) | |
| interest expense other | | (110) | _ | (232) | | (1,517) | | (1,301) | |
| INCOME BEFORE INCOME TAXES | | 29,640 | | 17,190 | | 73,574 | | 37,237 | |
| PROVISION FOR INCOME TAXES | | (11,854) | | (6,827) | | (29,429) | | (14,895) | |
| | | | | | | | | | |
| NET INCOME INCLUDING NONCONTROLLING | | | | | | | | | |
| INTEREST | | 17,786 | | 10,363 | | 44,145 | | 22,342 | |
| NET LOSS ATTRIBUTABLE TO NONCONTROLLING | | | | | | | | | |
| INTEREST | | 15 | | <u> </u> | | 15 | | | |
| NET INCOME ATTRIBUTABLE TO TITAN MACHINERY | | | | | | | | | |
| INC. | \$ | 17,801 | \$ | 10,363 | \$ | 44,160 | \$ | 22,342 | |
| NET INCOME ALLOCATED TO PARTICIPATING | | | | | | | | | |
| SECURITIES | | (177) | | (110) | | (409) | | (232) | |
| NET INCOME ATTRIBUTABLE TO COMMON | | 15.01 | Φ. | 10.050 | Φ. | 12.551 | • | 22.110 | |
| STOCKHOLDERS | \$ | 17,624 | \$ | 10,253 | \$ | 43,751 | \$ | 22,110 | |
| EARNINGS PER SHARE - DILUTED | \$ | 0.84 | \$ | 0.57 | \$ | 2.18 | \$ | 1.23 | |
| WEIGHTED AVERAGE COMMON SHARES - DILUTED | | 20,880 | | 18,058 | | 20,110 | | 17,961 | |
| | | | _ | | | | | | |

Three Months Ended

Twelve Months Ended

TITAN MACHINERY INC. Fourth Quarter & Full Year Segment Results (in thousands)

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| | Three Months Ended January 31, | | | | | Twelve Months Ended January 31, | | | | |
|------------------------------|--------------------------------|----------|----|----------|---------|---------------------------------|-----------|----|-----------|---------|
| | | 2012 | | 2011 | %Change | | 2012 | | 2011 | %Change |
| Revenues | | | | | | | | | | |
| Agriculture | \$ | 526,362 | \$ | 333,747 | 57.7% | \$ | 1,441,294 | \$ | 979,016 | 47.2% |
| Construction | | 97,757 | | 44,506 | 119.6% | | 279,152 | | 152,646 | 82.9% |
| Segment revenues | | 624,119 | | 378,253 | 65.0% | | 1,720,446 | | 1,131,662 | 52.0% |
| Eliminations | | (17,101) | | (10,194) | (67.8)% | | (61,454) | | (37,173) | (65.3)% |
| Total | \$ | 607,018 | \$ | 368,059 | 64.9% | \$ | 1,658,992 | \$ | 1,094,489 | 51.6% |
| Income (Loss) Before Income | | | | | | | | | | |
| Taxes Agriculture | ¢ | 30.447 | \$ | 18.625 | 63.5% | Φ | 74.411 | \$ | 44,083 | 68.8% |
| 0 | Þ | , | Ф | -) | | \$ | . , | Ф | , | |
| Construction | | 979 | | (515) | 290.1% | | 5,461 | | (3,451) | 258.2% |
| Segment income (loss) before | | | | | | | | | | |
| income taxes | | 31,426 | | 18,110 | 73.5% | | 79,872 | | 40,632 | 96.6% |

| Shared Resources | (2,497) | $(1,\frac{1}{2},\frac{5}{2})$ | (98:2)% | (5,393) | $(3(\frac{1}{2})(\frac{3}{2})(\frac{3}{2})$ | (98:4)% |
|------------------|--------------|-------------------------------|---------|--------------|---|---------|
| Total | \$ 29,640 | \$ 17,190 | 72.4% | \$ 73,574 | \$ 37,237 | 97.6% |

Note: The Company reports its revenues and income (loss) before income taxes at the segment level before inter-company eliminations.