



CreditRiskMonitor's assessment of Titan International, Inc.'s ("Titan") "high risk" status has been determined by a combination of factors:

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## MONTHLY AVERAGE FRISK® SCORE

CreditRiskMonitor's proprietary FRISK® score signals that Titan International, Inc. (NYSE: TWI) has a 10 to 50 times greater risk of bankruptcy than the average public company.

Business Name	2018				2019								
	S	O	N	D	J	F	M	A	M	J	J	A	S
Titan International, Inc.	3	3	3	2	2	2	2	3	1	1	1	1	1

The FRISK® score is 96% accurate\* in predicting the risk of corporate failure/bankruptcy over a 12-month horizon. All FRISK® scores are recalculated every night for each subsequent 12-month period.

FRISK® Probability of bankruptcy within 12 months			
	FRISK®	From	To
Best	10	0.00%	0.12%
	9	0.12%	0.27%
	8	0.27%	0.34%
	7	0.34%	0.55%
	6	0.55%	0.87%
Worst	5	0.87%	1.40%
	4	1.40%	2.10%
	3	2.10%	4.00%
	2	4.00%	9.99%
	1	9.99%	50.00%

While the percentage risk of bankruptcy varies at each FRISK® score, 96% of public companies that eventually go bankrupt enter the FRISK® "red zone" prior to filing. A FRISK® score of 5 or less is an important warning sign.

\* FRISK® score accuracy of 96% is based on backtesting of U.S. public companies; results may vary by country.

## THE FRISK® SCORE COMPONENTS

At the core of the CreditRiskMonitor process is our 96% accurate FRISK® score, which indicates a company's level of financial stress on a scale of 1 to 10, based on the probability of bankruptcy over a 12-month horizon. When available, the FRISK® score incorporates a number of powerful risk indicators including:

A “Merton” type model using stock market capitalization and volatility

Financial ratios, including those used in the Altman Z”-Score Model

Bond agency ratings from Moody’s, Fitch, & DBRS

## Crowdsourced CreditRiskMonitor Usage Data

**Crowdsourcing** has enhanced the accuracy and timeliness of the FRISK® score. We collect and analyze data patterns from thousands of CreditRiskMonitor subscribers, including professionals from more than 35% of the Fortune 1000 and other large corporations worldwide.

**The crowdsourcing advantage is even more powerful in our FRISK® score since many of the professionals who use our service are credit managers:**

- Credit managers control one of the largest sources of working capital going into a company
- They are not held to the same “Fair Disclosure” restrictions that prevent non-disclosed information sharing on public companies
- Credit managers use a variety of non-public information sources such as their own company’s management and sales representatives to be alerted to concerns in a public company’s performance
- It is commonly known credit managers confidentially share information with other credit managers, thus collectively, their behavior helps to provide advanced insight to financial problems in public companies

[Read more in Credit Research Foundation’s quarterly journal article, “Assessing Public Company Financial Risk by Crowdsourcing the Research of Credit Professionals”](#)

# COMPANY REPORT DETAIL

## Titan International, Inc.

2701 SPRUCE ST

Phone: (217) 228-6011

QUINCY, IL 62301-3473 United States

Ticker: **TWI**

Latest Financial Statements as of 6/30/2019

### Business Summary

Titan International, Inc. is a wheel, tire, and undercarriage industrial manufacturer and supplier. The Company's segments are agricultural, earthmoving/construction, and consumer. The Company produces a range of products to meet the specifications of original equipment manufacturers (OEMs) and aftermarket customers in the agricultural, earthmoving/construction, and consumer markets. Its agricultural products include rims, wheels, tires, and undercarriage systems and components manufactured for use on various agricultural equipment. Its earthmoving/construction products include rims, wheels, tires, and undercarriage systems and components for various types of off-the-road (OTR) earthmoving, mining, military, construction, and forestry equipment. The Company's consumer products include, but are not limited to, bias truck tires in Latin America and light truck tires in Russia, as well as products for all-terrain vehicles (ATVs), turf, and golf cart applications.

(Source: 10-K)

Employees: 6,300 (as of 12/31/2018)

Incorporated: 3/24/2015

Federal Tax Id: 363228472

### Credit Score History

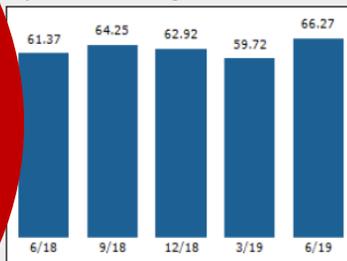
[Why are these scores different?](#) **FRISK® Score Analysis**

Score/ Index	2018				2019				DBT	DBT	
	S	O	N	D	J	F	A	M			
<b>FRISK® Score*</b>	3	3	3	2	2	2	3	1	1	1	1
<b>DBT Index</b>	9	9	9	9	9	9	9	9	9	9	9
<b>Z"-Score</b>	2.58	2.71	2.63	2.38	2.38	2.33					

\*FRISK® Scores are month-end

- Probability of bankruptcy within 12 months is 10% to 50%.
- Trade payments are prompt, "cloaking" the risk.
- Bonds are rated as non-investment grade ("junk").
- Market Capitalization has declined by 67% over the last 12 months.
- Total Liabilities are 7 times larger than Market Capitalization.

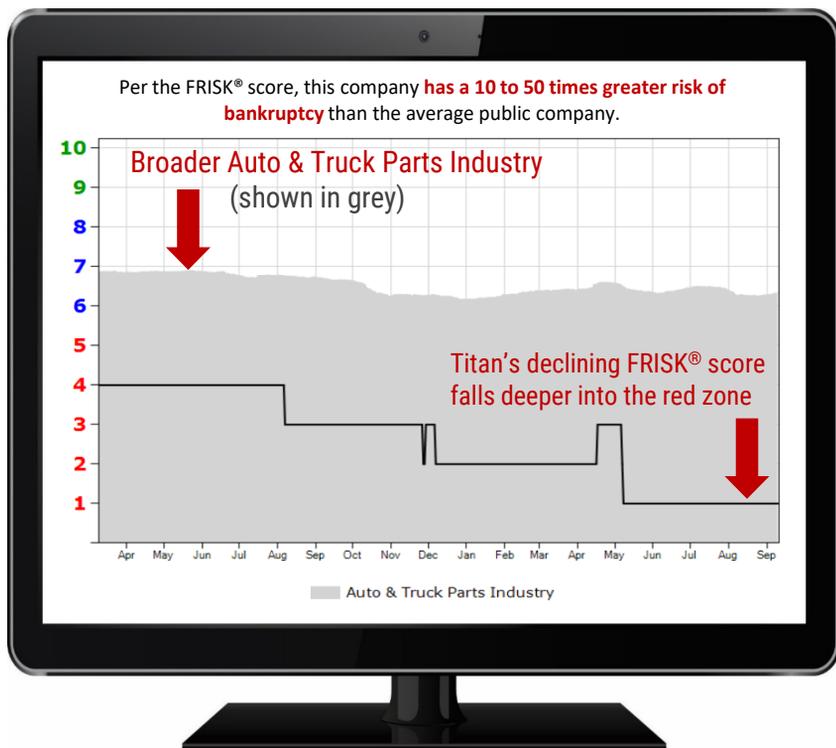
### Days Sales Outstanding



The FRISK® score is a 96% accurate method by which to monitor public company bankruptcy risk.

Payment performance, captured by the Days Beyond Terms (DBT) index, which is very similar to D&B's PAYDEX® score, is not an effective indicator of financial stress for publicly traded companies since they often continue to pay on time right up until their bankruptcy filing. This is what's commonly called the "Cloaking Effect."

## FRISK® DEEP DIVE



The FRISK® score relative to the broader Auto & Truck Parts industry raises an additional red flag signaling heightened risk relative to peers, as well...

**MAKING IMMEDIATE ATTENTION REQUIRED.**

## ADJUSTED MARKET CAP VOLATILITY



One of the inputs of the FRISK® score is a company's market cap volatility, adjusted for dividends, over the course of a year. Incorporating this information allows us to capture the "wisdom of markets" on a daily basis. This ensures our subscribers are getting the most up to date view of the risks they face since stocks tend to be more liquid and faster moving than bond prices and ratings.

# FRISK® STRESS INDEX

#	Business Name	Country	FRISK® score
1	<a href="#">Castex Technologies Ltd</a>	India	1
2	<a href="#">Horizon Global Corp</a>	United States	1
3	<a href="#">Kodama Chemical Industry Co Ltd</a>	Japan	1
4	<a href="#">Tenneco Inc</a>	United States	1
5	<a href="#">Titan International Inc</a>	United States	1
6	<a href="#">Akebono Brake Industry Co Ltd</a>	Japan	2
7	<a href="#">American Axle &amp; Manufact. Holdings, Inc.</a>	United States	2
8	<a href="#">Bolan Castings Ltd</a>	Pakistan	2
9	<a href="#">Kyungchang Industrial</a>	South Korea	2
10	<a href="#">Lilis Energy Inc</a>	United States	2

## FRISK® Stress Index - SIC classification: Motor vehicle parts and accessories

Primary industry codes only     Primary and secondary industry codes

Businesses From: All Businesses CLEAR

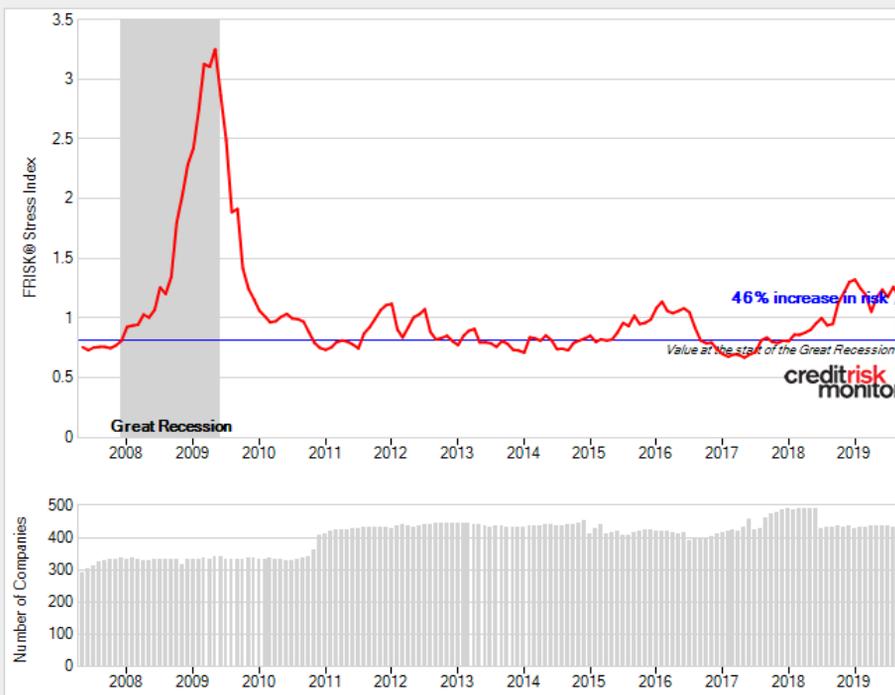
In Industry: SIC 3714: Motor vehicle parts and accessories

Country: All Countries

**UPDATE RESULTS**

Scale: Auto

Total Companies in all months 681



The FRISK® Stress Index shows the collective probability of failure in a group of companies (such as an industry, country or portfolio) over the next 12 months. It is designed to show trends in risk level across groups of companies and is shown on a zero to 50 scale, with 50 being the most risky.

**The average probability of failure for SIC code 3714 (Motor vehicle parts and accessories) has increased 46% since 2007.** Titan is among the weakest names in the industry as evidenced by its FRISK® score of 1.

# PEER ANALYSIS ON ALTERNATE SUPPLIERS AND CUSTOMERS

The Peer Analysis expands to provide a ranking of a company's competitors, which can help provide options for alternate suppliers or new customers

SIC classification: Motor vehicle parts and accessories

Calendar Year/Quarter: 2019.2

Businesses in Peer Group: 2119	Ranking Within Peer Group	Number Of Peers Ranked	Company Value	Peer Group Range		
				Low	Median	High
<b>Credit Ratings</b>						
Z-Score	362	544	2.33	-1,160.24	3.24	348.41
<b>Performance ratios:</b>						
Net Sales (Thousands of U.S. Dollars)	47	83	390,597	0	528,600	36,060,000
Gross Margin % Of Sales	600	664		0.18	16.787.51	21.30
Gross Margin % Of Sales -- TTM	586	665				100.00
SGA % Of Sales	235	656				
SGA % Of Sales -- TTM	229	656				
Operating Margin % Of Sales	574	669				
Operating Margin % Of Sales -- TTM	546	670				
EBITDA Margin Of Sales	297	333				
EBITDA Margin Of Sales -- TTM	294	351				
Net Profit Margin % Of Sales	573	668				
Net Profit Margin % Of Sales -- TTM	564	670				
Pre-tax Income % Of Sales	584	669				
Effective Tax Rate	498	663	32.52	-6,450.00	23.09	1,126.67
Depreciation % Of Prop/Plant/Equipment	250	549	12.49	0.08	13.04	2,829.91
Capital Expense % Of Prop/Plant/Equipment	78	426	7.25	0.15	15.73	180.41
Interest Coverage	279	314	1.39	-1,378.89	9.61	23,930.18
Interest Coverage -- TTM	290	344	1.98	-918.56	8.72	4,284.54
<b>Liquidity ratios:</b>						
Cash Ratio	406	556	0.17	0.00	0.33	26.40
Quick Ratio	288	541	0.86	0.03	0.90	33.21
Current Ratio	154	556	2.00	0.01	1.52	42.56
<b>Efficiency ratios:</b>						
Accounts Receivable Turnover	316	638				
Days Sales Outstanding	350	668				
% of Inventory Financed by Vendors	361	502				
% of Inventory Financed by Vendors -- TTM	443	601				
Inventory Turnover	456	642				
Inventory Turnover -- TTM	475	650				
Days Sales in Inventory	456	636				
Inventory to Working Capital	296	548				
Accounts Payable Turnover	249	609				
Accounts Payable Turnover -- TTM	256	624				
<b>Leverage &amp; debt coverage:</b>						
Total Debt to Equity Ratio	486	526	1.80	0.00	0.51	212.08
Debt to Tangible Equity Ratio	425	496	1.87	0.00	0.57	212.08
Total Debt to Assets Ratio	454	540	0.41	0.00	0.24	27.26
Short-Term Debt % of Total Debt	85	522	13.97	0.00	49.85	100.00
Short-Term Debt % of Working Capital	158	527	18.38	-29,635.66	30.53	11,479.87
Liabilities to Net Worth Ratio	434	513	3.54	0.00	1.24	251.17
Total Liabilities to Equity Ratio	506	543	3.41	0.00	1.12	249.00
TTM EBITDA to Total Debt	271	340	0.13	-85.45	0.36	210.65
Net Debt to TTM EBITDA	284	312	6.67	-145.15	1.54	116.29

Rank	Company Name	Country
1	Iron Force Industrial Co Ltd	Taiwan
2	S77 Investment Corp	Vietnam
3	Motonic Corp	South Korea
4	S&T Motiv Co Ltd	South Korea
5	Yuasa Battery Thailand PCL	Thailand
6	Gentex Corporation	United States
7	Fine Blanking & Tool Co., Ltd.	Taiwan
8	Thai Steel Cable Public Company Limited	Thailand
9	S&T Holdings Co Ltd	South Korea

Rank	Company Name	Country
1	Saigon Viengdong Technology JSC	Vietnam
2	Taewonmulsan Co Ltd	South Korea
3	ARB Corporation Limited	Australia
4	Thai Stanley Electric PCL	Thailand
5	Spectra Inc.	Canada
6	Apply Advanced Mobile Technologies Ltd	Israel
7	Qingling Motors Co Ltd	China
8	S&T Dynamics Co Ltd	South Korea
9	NL Industries Inc	United States

Green - Ranked in Upper Quartile of Peer Group						
White - Ranked in the Middle Two Quartiles of Peer Group						
Red - Ranked in Lower Quartile of Peer Group						
Orange - Confidential						
Grey - Data is Not Available						

TTM = trailing 12 months  
N/A = Not Available

Titan demonstrates bottom quartile ranking in key financial ratios (shown in red) versus its industry peers.

# QUARTERLY PERFORMANCE RATIOS

Operating  
& net income  
decline and  
turn negative

Declining interest  
coverage ratio:  
negative free  
cash flow

## Performance Ratios - Sequential Quarters

(Thousands of U.S. Dollars)

Period Ended	3 mos 6/30/2019	3 mos 3/31/2019	3 mos 12/31/2018	3 mos 9/30/2018	3 mos 6/30/2018
<b>Net Sales \$</b>	<b>\$390,597</b>	<b>\$410,374</b>	<b>\$363,403</b>	<b>\$384,719</b>	<b>\$428,904</b>
% change	-4.82%	12.93%	-5.54%	-10.30%	0.83%
<b>Gross Margin \$</b>	<b>\$35,860</b>	<b>\$42,658</b>	<b>\$34,480</b>	<b>\$41,123</b>	<b>\$55,678</b>
% change	-15.94%	23.72%	-16.15%	-26.14%	-2.14%
% of sales	9.18%	10.39%	9.49%	10.69%	12.98%
change as % of incremental sales	n/m	17.41%	n/m	n/m	-34.64%
<b>SG&amp;A \$</b>	<b>\$35,746</b>	<b>\$35,905</b>	<b>\$32,481</b>	<b>\$33,709</b>	<b>\$33,960</b>
% change	-0.44%	10.54%	-3.64%	-0.74%	-1.96%
% of sales	9.15%	8.75%	8.94%	8.76%	7.92%
change as % of incremental sales	n/m	7.29%	n/m	n/m	-19.28%
<b>Operating margin \$</b>	<b>(\$2,430)</b>	<b>\$4,136</b>	<b>(\$925)</b>	<b>\$4,823</b>	<b>\$18,964</b>
% change	-158.75%	547.14%	-119.18%	-74.57%	-2.16%
% of sales	-0.62%	1.01%	-0.25%	1.25%	4.42%
change as % of incremental sales	n/m	10.77%	n/m	n/m	-11.87%
<b>EBITDA \$</b>	<b>\$11,500</b>	<b>\$18,590</b>	<b>\$13,537</b>	<b>\$24,008</b>	<b>\$34,687</b>
% change	-38.14%	37.33%	-43.61%	-30.79%	-14.83%
% of sales	2.94%	4.53%	3.73%	6.24%	8.09%
change as % of incremental sales	n/m	10.76%	n/m	n/m	-171.55%
<b>EBIT \$</b>	<b>(\$1,636)</b>	<b>\$3,917</b>	<b>(\$686)</b>	<b>\$10,788</b>	<b>\$19,842</b>
% change	-141.77%	670.99%	-106.36%	-45.63%	-21.88%
% of sales	-0.42%	0.95%	-0.19%	2.80%	4.63%
change as % of incremental sales	n/m	9.80%	n/m	n/m	-157.78%
<b>Pre-tax income \$</b>	<b>(\$9,895)</b>	<b>\$2,922</b>	<b>(\$11,053)</b>	<b>\$5,519</b>	<b>\$10,159</b>
% change	-438.64%	126.44%	-300.27%	-45.67%	-33.09%
% of sales	-2.53%	0.71%	-3.04%	1.43%	2.37%
change as % of incremental sales	n/m	29.75%	n/m	n/m	-142.62%
<b>Net income (loss) \$</b>	<b>(\$6,424)</b>	<b>\$1,977</b>	<b>(\$12,291)</b>	<b>\$2,295</b>	<b>\$8,436</b>
% change	-424.94%	116.08%	-635.56%	-72.80%	-52.20%
% of sales	-1.64%	0.48%	-3.38%	0.60%	1.97%
change as % of incremental sales	n/m	30.38%	n/m	n/m	-261.53%
<b>Tax expense \$</b>	<b>(\$3,218)</b>	<b>\$1,915</b>	<b>\$3,024</b>	<b>\$2,841</b>	<b>\$1,683</b>
Effective tax rate	32.52%	65.54%	-27.36%	51.48%	16.57%
<b>Depreciation expense \$</b>	<b>\$12,536</b>	<b>\$14,173</b>	<b>\$13,723</b>	<b>\$12,720</b>	<b>\$14,245</b>
% of sales	3.21%	3.45%	3.78%	3.31%	3.32%
% of capital expenses	172.39%	149.93%	109.77%	157.39%	134.27%
% of PP&E, net (annualized)	12.49%	14.40%	14.26%	13.08%	14.06%
<b>Capital expenditures \$</b>	<b>\$7,272</b>	<b>\$9,453</b>	<b>\$12,502</b>	<b>\$8,082</b>	<b>\$10,609</b>
% change	-23.07%	-24.39%	54.69%	-23.82%	35.89%
% of PP&E, net (annualized)	7.25%	9.61%	12.99%	8.31%	10.47%
% of working capital (annualized)	7.35%	9.42%	12.09%	7.59%	9.80%
<b>Interest coverage ratio</b>	<b>1.39</b>	<b>2.34</b>	<b>1.31</b>	<b>3.16</b>	<b>3.58</b>
% change	-40.84%	79.46%	-58.69%	-11.77%	-10.14%
<b>Free cash flow \$</b>	<b>(\$1,654)</b>	<b>(\$25,072)</b>	<b>(\$15,972)</b>	<b>(\$10,861)</b>	<b>(\$4,853)</b>
% change	93.40%	-56.97%	-47.06%	-123.80%	88.84%
Source:	10-Q 8/1/2019	10-Q 5/3/2019	10-K 3/7/2019	10-Q 11/2/2018	10-Q 8/1/2019

# QUARTERLY LEVERAGE RATIOS

Total liabilities to tangible net worth & total debt to annualized EBITDA ratios indicate heightened risk

## Leverage Ratios - Sequential Quarters

(Thousands of U.S. Dollars)

Period Ended	6/30/2019	3/31/2019	12/31/2018	9/30/2018	6/30/2018
<b>Total debt \$</b>	<b>\$517,711</b>	<b>\$499,735</b>	<b>\$461,457</b>	<b>\$461,276</b>	<b>\$461,971</b>
% change	3.60%	8.30%	0.04%	-0.15%	-0.17%
<b>Stockholders' equity \$</b>	<b>\$288,091</b>	<b>\$289,671</b>	<b>\$270,097</b>	<b>\$288,643</b>	<b>\$297,958</b>
% change	-0.55%	7.25%	-6.43%	-3.13%	-10.27%
<b>Total debt to equity ratio</b>	<b>1.80</b>	<b>1.73</b>	<b>1.71</b>	<b>1.60</b>	<b>1.55</b>
% change	4.16%	0.98%	6.91%	3.07%	11.25%
<b>Tangible net worth \$</b>	<b>\$277,295</b>	<b>\$278,342</b>	<b>\$258,450</b>	<b>\$276,204</b>	<b>\$284,635</b>
% change	-0.38%	7.70%	-6.43%	-2.96%	-10.36%
<b>Total debt to tangible net worth</b>	<b>1.87</b>	<b>1.80</b>	<b>1.79</b>	<b>1.67</b>	<b>1.62</b>
% change	3.99%	0.55%	6.91%	2.90%	11.36%
<b>Total assets \$</b>	<b>\$1,269,528</b>	<b>\$1,325,256</b>	<b>\$1,251,256</b>	<b>\$1,274,080</b>	<b>\$1,310,370</b>
% change	-4.21%	5.91%	-1.79%	-2.77%	-3.15%
<b>Total debt to assets ratio</b>	<b>0.41</b>	<b>0.38</b>	<b>0.37</b>	<b>0.36</b>	<b>0.35</b>
% change	8.14%	2.25%	1.88%	2.67%	3.10%
<b>Tangible assets \$</b>	<b>\$1,258,732</b>	<b>\$1,313,927</b>	<b>\$1,239,609</b>	<b>\$1,261,641</b>	<b>\$1,297,047</b>
% change	-4.20%	6.00%	-1.75%	-2.73%	-3.10%
<b>Short-term debt \$</b>	<b>\$72,323</b>	<b>\$66,973</b>	<b>\$51,885</b>	<b>\$50,257</b>	<b>\$52,358</b>
% change	7.99%	29.08%	3.24%	-4.01%	-5.10%
<b>Short-term debt % of total debt</b>	<b>13.97%</b>	<b>13.40%</b>	<b>11.24%</b>	<b>10.90%</b>	<b>11.33%</b>
% change	4.24%	19.19%	3.20%	-3.87%	-4.93%
<b>Short-term debt % of working capital</b>	<b>18.38%</b>	<b>16.82%</b>	<b>12.83%</b>	<b>11.88%</b>	<b>12.21%</b>
% change	9.26%	31.08%	7.97%	-2.68%	-3.17%
<b>Total liabilities \$</b>	<b>\$981,437</b>	<b>\$1,035,585</b>	<b>\$981,159</b>	<b>\$985,437</b>	<b>\$1,012,412</b>
% change	-5.23%	5.55%	-0.43%	-2.66%	-0.84%
<b>Total liabilities to equity ratio</b>	<b>3.41</b>	<b>3.58</b>	<b>3.63</b>	<b>3.41</b>	<b>3.40</b>
% change	-4.71%	-1.59%	6.40%	0.48%	10.50%
<b>Total liabilities to tangible net worth ratio</b>	<b>3.54</b>	<b>3.72</b>	<b>3.80</b>	<b>3.57</b>	<b>3.56</b>
% change	-4.87%	-2.00%	6.40%	0.31%	10.62%
<b>Total debt to EBITDA ratio (annualized)</b>	<b>11.25</b>	<b>6.72</b>	<b>8.52</b>	<b>4.80</b>	<b>3.33</b>
% change	67.47%	-21.14%	77.42%	44.26%	17.21%
Source:	10-Q	10-Q	10-K	10-Q	10-Q
	8/1/2019	5/3/2019	3/7/2019	11/2/2018	8/3/2018

# QUARTERLY LIQUIDITY RATIOS AND RATES OF RETURN

Declining working capital

## Liquidity Ratios - Sequential Quarters

(Thousands of U.S. Dollars)

Period Ended	6/30/2019	3/31/2019	12/31/2018	9/30/2018	6/30/2018
<b>Current assets \$</b>	<b>\$786,213</b>	<b>\$837,473</b>	<b>\$779,481</b>	<b>\$804,675</b>	<b>\$836,252</b>
% change	-6.12%	7.44%	-3.13%	-3.78%	-1.72%
% of short-term debt	1,087.09%	1,250.46%	1,502.32%	1,601.12%	1,597.18%
<b>Current liabilities \$</b>	<b>\$392,622</b>	<b>\$439,244</b>	<b>\$375,068</b>	<b>\$381,738</b>	<b>\$407,456</b>
% change	-10.61%	17.11%	-1.75%	-6.31%	-1.44%
<b>Working capital \$</b>	<b>\$393,591</b>	<b>\$398,229</b>	<b>\$404,413</b>	<b>\$422,937</b>	<b>\$428,796</b>
% change	-1.16%	-1.53%	-4.38%	-1.37%	-1.99%
% of sales (annualized)	25.19%	24.26%	27.82%	27.48%	24.99%
<b>Cash \$</b>	<b>\$66,366</b>	<b>\$68,315</b>	<b>\$81,685</b>	<b>\$96,799</b>	<b>\$106,491</b>
% change	-2.85%	-16.37%	-15.61%	-9.10%	-5.28%
% of short-term debt	91.76%	102.00%	157.43%	192.61%	203.39%
<b>Cash ratio</b>	<b>0.17</b>	<b>0.16</b>	<b>0.22</b>	<b>0.25</b>	<b>0.26</b>
% change	8.68%	-28.60%	-14.12%	-2.98%	-3.90%
<b>Quick assets \$</b>	<b>\$338,372</b>	<b>\$363,648</b>	<b>\$323,517</b>	<b>\$356,153</b>	<b>\$388,891</b>
% change	-6.95%	12.40%	-9.16%	-8.42%	-4.43%
% of short-term debt	467.86%	542.98%	623.53%	708.66%	742.75%
<b>Quick ratio</b>	<b>0.86</b>	<b>0.83</b>	<b>0.86</b>	<b>0.93</b>	<b>0.95</b>
% change	4.09%	-4.02%	-7.55%	-2.24%	-3.04%
<b>Current ratio</b>	<b>2.00</b>	<b>1.91</b>	<b>2.08</b>	<b>2.11</b>	<b>2.05</b>
% change	5.03%	-8.26%	-1.41%	2.70%	-0.29%
Source:	10-Q 8/1/2019	10-Q 5/3/2019	10-K 3/7/2019	10-Q 11/2/2018	10-Q 8/3/2018

Inadequate rates of return

## Rate of Return - Sequential Quarters

(Thousands of U.S. Dollars)

Period Ended	3 mos 6/30/2019	3 mos 3/31/2019	3 mos 12/31/2018	3 mos 9/30/2018	3 mos 6/30/2018
<b>Return on equity</b>	<b>-2.22%</b>	<b>0.73%</b>	<b>-4.26%</b>	<b>0.77%</b>	<b>2.54%</b>
% change	-402.96%	117.19%	-652.87%	-69.68%	-55.36%
<b>Return on net tangible equity</b>	<b>-2.31%</b>	<b>0.76%</b>	<b>-4.45%</b>	<b>0.81%</b>	<b>2.66%</b>
% change	-401.74%	117.19%	-651.90%	-69.65%	-55.62%
<b>Return on total assets</b>	<b>-0.50%</b>	<b>0.15%</b>	<b>-0.97%</b>	<b>0.18%</b>	<b>0.63%</b>
% change	-422.54%	115.77%	-648.09%	-71.97%	-52.56%
<b>Return on tangible assets</b>	<b>-0.50%</b>	<b>0.15%</b>	<b>-0.98%</b>	<b>0.18%</b>	<b>0.64%</b>
% change	-422.61%	115.75%	-647.83%	-71.98%	-52.60%
Source:	10-Q 8/1/2019	10-Q 5/3/2019	10-K 3/7/2019	10-Q 11/2/2018	10-Q 8/1/2019

# YEAR-OVER-YEAR STATEMENT OF CASH FLOWS

Recent & cumulative negative cash from operating activities

## Statement of Cash Flows - Year-over-Year - Standardized - Year to Date

(Thousands of U.S. Dollars)

Period Ended	6 mos 6/30/2019	6 mos 6/30/2018	6 mos 6/30/2017	6 mos 6/30/2016	6 mos 6/30/2015
		Reclassified 6/30/2019		Reclassified 6/30/2017	
<b>Cash Flows from Operating Activities:</b>					
Net income	(\$5,670)	\$24,444	(\$17,122)	(\$16,132)	\$3,220
Depreciation/depletion	27,809	30,175	29,486	30,615	36,604
Deferred taxes	156	287	1,324	600	(5,602)
Non-cash Items	(775)	8,931	3,693	7,954	2,181
Changes in working capital	(31,521)	(93,764)	(47,934)	6,635	(28,561)
<b>Total cash from operating activities</b>	<b>(10,001)</b>	<b>(29,927)</b>	<b>(30,553)</b>	<b>29,672</b>	<b>7,842</b>
<b>Cash Flows from Investing Activities:</b>					
Capital expenditures	(16,725)	(18,416)	(15,152)	(18,050)	(22,505)
Other investing cash flow items, total	(39,765)	884	41,038	1,294	2,708
<b>Total cash from investing activities</b>	<b>(56,490)</b>	<b>(17,532)</b>	<b>25,886</b>	<b>(16,756)</b>	<b>(19,797)</b>
<b>Cash Flows from Financing Activities:</b>					
Financing cash flow items	n/a	n/a	n/a	n/a	(538)
Total cash dividends paid	(599)	(598)	(570)	(540)	(538)
Issuance/retirement of stock, net	n/a	n/a	n/a	n/a	144
Issuance/retirement of debt, net	50,640	15,551	(1,335)	(8,689)	4,722
<b>Total cash from financing activities</b>	<b>50,041</b>	<b>14,953</b>	<b>(1,905)</b>	<b>(9,229)</b>	<b>3,790</b>
<b>Foreign exchange effects</b>	<b>1,131</b>	<b>(4,573)</b>	<b>1,981</b>	<b>3,363</b>	<b>(5,802)</b>
<b>Net change in cash</b>	<b>(15,319)</b>	<b>(37,079)</b>	<b>(4,591)</b>	<b>7,050</b>	<b>(13,967)</b>
<b>Net cash-beginning balance</b>	<b>81,685</b>	<b>143,570</b>	<b>147,827</b>	<b>200,188</b>	<b>201,451</b>
<b>Net cash-ending balance</b>	<b>\$66,366</b>	<b>\$106,491</b>	<b>\$143,236</b>	<b>\$207,238</b>	<b>\$187,484</b>
<b>Supplemental Disclosures:</b>					
Cash interest paid	\$16,416	\$15,801	\$17,916	\$16,510	\$20,063
Cash taxes paid, supplemental	\$4,203	\$5,025	\$3,221	\$3,367	(\$884)
Source:	10-Q 8/1/2019	10-Q 8/1/2019	10-Q 8/3/2017	10-Q 8/3/2017	10-Q 7/29/2015

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