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HIGH RISK REPORT Air France-KLM SA 09/22/2020

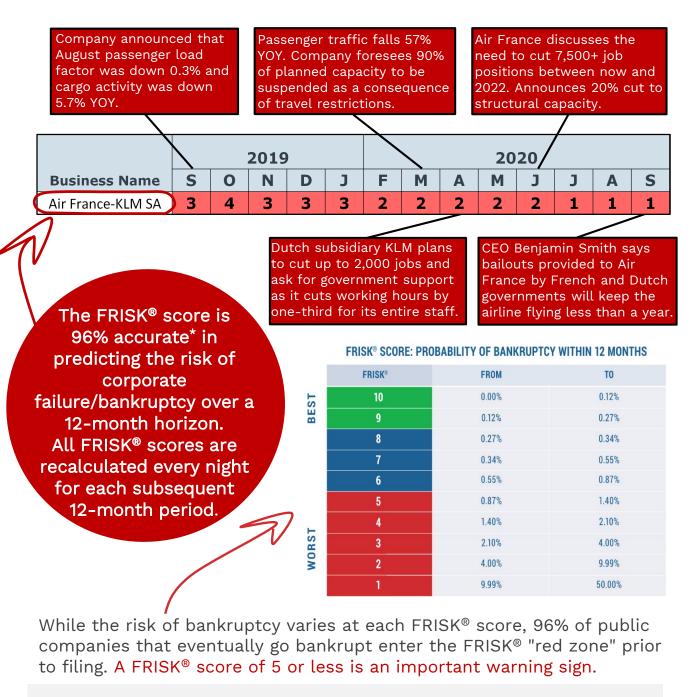


CreditRiskMonitor's assessment of Air France-KLM SA's ("Air France") "high risk" status has been determined by a combination of factors:

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MONTHLY AVERAGE FRISK[®] SCORE

CreditRiskMonitor's proprietary FRISK[®] score signals that Air France (EPA: AF) has a 10 to 50 times greater risk of bankruptcy than the average public company.

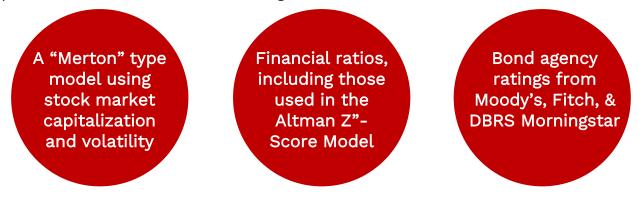


* FRISK® score accuracy of 96% is based on backtesting of U.S. public companies; results may vary by country.



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:



Crowdsourced CreditRiskMonitor[®] Usage Data

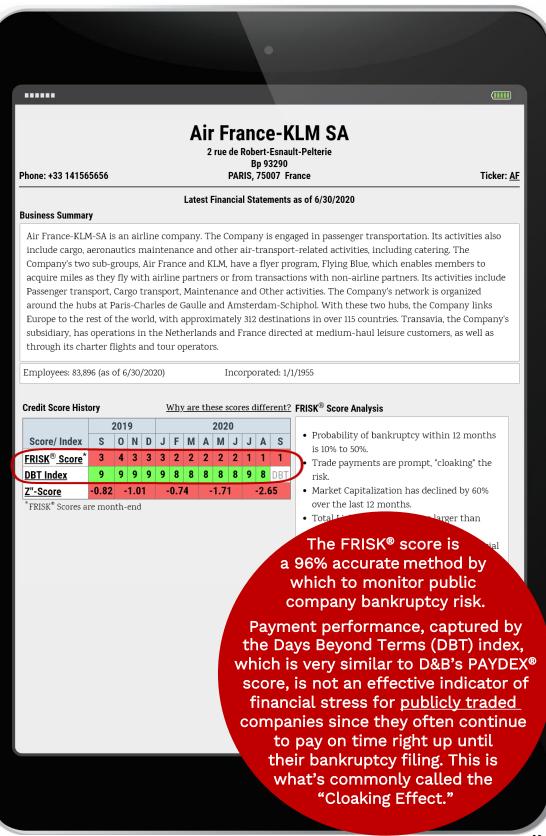
<u>Crowdsourcing</u> has enhanced the accuracy and timeliness of the FRISK[®] score. We collect and analyze data patterns from thousands of CreditRiskMonitor[®] subscribers, including professionals from more than 35% of the Fortune 1000 and other large corporations worldwide.

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

<u>Read more in Credit Research Foundation's quarterly journal article,</u> <u>"Assessing Public Company Financial Risk by Crowdsourcing the Research of Credit Professionals"</u>

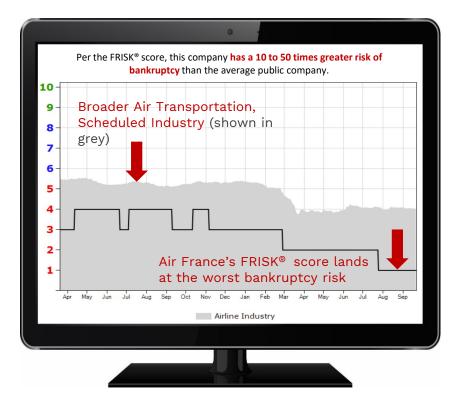
COMPANY REPORT DETAIL



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FRISK[®] DEEP DIVE



The FRISK[®] score relative to the broader Air Transportation, Scheduled industry raises an additional red flag signaling heightened risk relative to peers, as well...

MAKING IMMEDIATE ATTENTION REQUIRED.

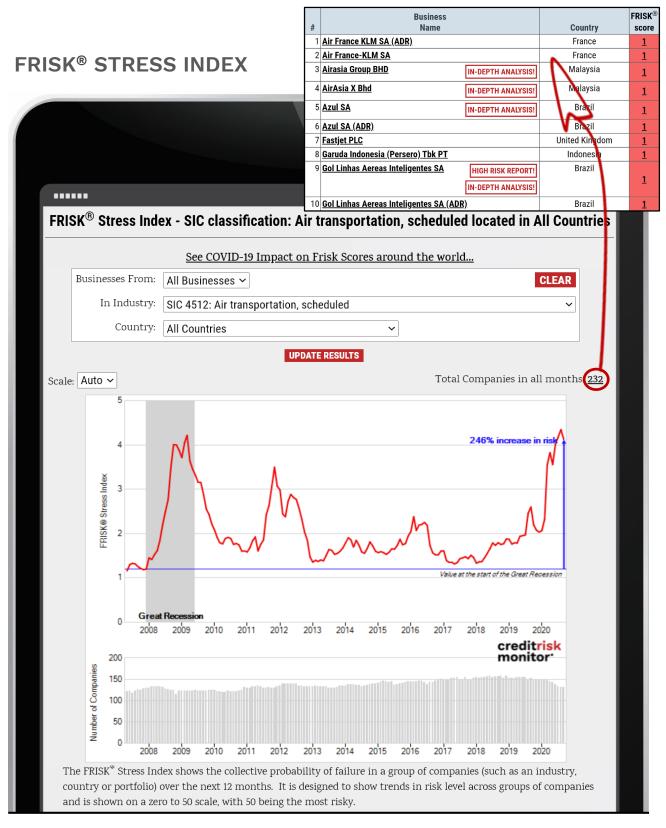
ADJUSTED MARKET CAP VOLATILITY



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 dailv 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.



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The average probability of failure for SIC code 4512 (Air transportation, scheduled) has increased 246% since 2007. Air France is among the weakest names in the industry as evidenced by its FRISK[®] score of 1.

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PEER ANALYSIS ON ALTERNATE SUPPLIERS AND CUSTOMERS

	_		_				
The Peer Analysis							
expands to provide a							
nking of a company's							
ompetitors, which can							
nelp provide options	n] [Industry: Airl	ine] [Calen	dar Year/() uarter: 2020.	2]	Ale south and	11
or alternate suppliers	Ranking	Number			-,		
or new customers	Within	Of		Dee	Crown Do		
eer Group: 668	Peer Group	Peers Ranked	Company Value	Low	r Group Rai Median	High	
	Credit Ra		value	LOW	weulan	nıyıı	
ZScore	72	<u>90</u>	-2.6	5 -24.25	-0.67	15.27	
	Performanc	e ratios:					
Net Sales (Thousands of U.S. Dollars)	N/A	23	N/J 24_4		-	1,622,000	
Gross Margin % Of Sales Gross Margin % Of Sales TTM	34 31	<u>92</u> 94	24.4 46.9			100.00 100.00	
SG&A % Of Sales	75	93	98.4		33.23	373.28	
SG&A % Of Sales TTM	85	<u>94</u>	39.4		16.96	84.82	
Operating Margin % Of Sales	74	<u>96</u>	-197.8	8 -2,462.67	-109.89	106.52	
Operating Margin % Of Sales TTM EBITDA Margin Of Sales	69 51	<u>96</u> 58	Rank		Company N	lame	
EBITDA Margin Of Sales TTM	49	<u>50</u>	_1	Airports Corp	Of Viet Nar	n	
Net Profit Margin % Of Sales	77	96					
Net Profit Margin % Of Sales - TTM	73	<u>96</u>	γ^{-2}	<u>Aeroporto Gug</u>	lielmo Mar	<u>coni di Bolg</u>	<u>n SP</u>
Pre-tax Income % Of Sales Effective Tax Rate	74	96	3	<u>Wizz Air Holdi</u>	<u>ngs PLC</u>		
Depreciation % Of Prop/Plant/Equipment	14 48	<u>97</u> 87	4	Air Arabia PJS	С		
Capital Expense % Of Prop/Plant/Equipment		3 3		Alliance Aviati		e l td	
Interest Coverage	55	57		• •••••		10.10	
Interest Coverage TTM	48	59	0.3	0 -13.59	1.88	86.37	
Cash Ratio	Liquidity 42	92	0.3	6 0.00	0.28	238.93	
Quick Ratio	42	89	0.4		0.41	5.71	
Current Ratio	47	<u>92</u>	0.5	8 0.10	0.59	244.30	
Accounts Receivable Turnover	Efficiency 71	ratios: 95	3.2	4 -3,600.49	6.99	95.03	
Days Sales Outstanding	74	96	112.7		51.23	672.31	
% of Inventory Financed by Vendors	48	75	228.1	3 2.10	317.70	44,373.33	
% of Inventory Financed by Vendors TTM	51	<u>79</u>	263.9		359.20	42,847.62	
Inventory Turnover Inventory Turnover TTM	65 65	<u>92</u> 92	5.3 Denk		11 99	100 <u>00</u>	
Days Sales in Inventory	65	89	Rank		Company	Name	
Inventory to Working Capital	43	87	-1	Airports Cor	<u>p Of Viet l</u>	<u>Nam</u>	
Accounts Payable Turnover	57	83	\mathcal{R}_2	Exchange Inc	come Cori	ooration	
Accounts Payable Turnover TTM	55 Leverage & deb	83		Alliance Avia			
Total Debt to Equity Ratio	N/A	<u>70</u>					
Debt to Tangible Equity Ratio	N/A	67		Southwest A			
Total Debt to Assets Ratio	39	<u>\$9</u>		Aprogen KIC			
Short-Term Debt % of Total Debt Short-Term Debt % of Working Capital	26 81	89 89	-46.7	3 1.62 4 -10.827.50	23.82	25,293.15	
Liabilities to Net Worth Ratio	N/A	<u>64</u>	-40.7 N/J	· · · · · ·	3.93	546.29	
Total Liabilities to Equity Ratio	N/A	72	N/2		3.44	810.22	
TTM EBITDA Over Total Debt	45	<u>58</u>	0.0		0.10	1.30	
Net Debt Over TTM EBITDA	42	<u>52</u>	24.7		6.42	606.33	
				artile of Peer o Quartiles of			
	white - Rd	inco in the	muule IW				
	Red	- Ranked in	Lower Oua	rtile of Peer 6	Group		
TTM = trailing 12 months	Red		Lower Qua nge - Confi	rtile of Peer 0 dential	Group		

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

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QUARTERLY PERFORMANCE RATIOS

COVID restrictions
and concerns
adversely impact
business: Net sales
plummet and net
earnings worsen

Interest coverage ratio turns negative, making debt servicing more difficult

earnings worsen Perfo	rmance Ratio	os - Sequer sands of Euros)	tial Quart	ers	
Period Ended	3 mos 6/30/2020	3 mos 3/31/2020	3 mos 12/31/2019	3 mos 9/30/2019	3 mos 6/30/2019
Net Sales €	€1 ,181,000	€5,020,000	€6,457,000	€7,696,000	€7,021,000
% change	-76.47%	-22.25%	-16.10%	9.61%	18.16%
Gross Margin €	€289,000	€2,054,000	€3,261,000	€3,952,000	€3,525,000
% change	-85.93%	-37.01%	-17.48%	12.11%	29.12%
% of sales	24.47%	40.92%	50.50%	51.35%	50.21%
change as % of incremental sales	n/m	n/m	n/m	63.26%	73.68%
SG&A €	€1,163,000	€2,167,000	€2,388,000	€2,314,000	€2,362,000
% change	-46.33%	-9.25%	3.20%	-2.03%	3.87%
% of sales	98.48%	43.17%	36.98%	30.07%	33.64%
change as % of incremental sales	n/m	n/m	n/m	-7.11%	8.16%
Operating margin €	(€2,337,000)	(€861,000)	€122,000	€798,000	€398,000
% change	-171.43%	-805.74%	-84.71%	100.50%	248.51%
% of sales	-197.88%	-17.15%	1.89%	10.37%	5.67%
change as % of incremental sales	n/m	n/m	n/m	59.26%	61.72%
EBITDA €	(€1,642,000)	(€222,000)	€735,000	€1,488,000	€1,076,000
% change	-6:9.64%	130.20%	- 50. 10%	38.29%	168.33%
% of sales	-139.03%	-4.42%	11.38%	19.33%	15.33%
change as % of incremental sales	ь;:m	1/ 71	n (n	61.04%	62.56%
EBIT €	(€2,415,000)	(€976,600)	(€31,000)	€740,000	€332,000
% change	-74/446	-3040.39%	-104.19%	122.89%	201.22%
% of sales	-204.49%	-19.44%	-0.48%	9.62%	4.73%
change as % of incremental sales	n/m	n/m	n/m	60.44%	61.17%
Pre-tax income €	(€2,512,000)	(€1,622,000)	€96,000	€464,000	€257,000
% change	-54.87%	-1,789.58%	-79.31%	80.54%	156.61%
% of sales	-212.70%	-32.31%	1.49%	6.03%	3.66%
change as % of incremental sales	n/m	n/m	n/m	30.67%	65.89%
Net income (loss) €	(€2,612,000)	(€1,801,000)	€164,000	€366,000	€97,000
% change	-45.03%	-1,198.17%	-55.19%	277.32%	129.94%
% of sales	-221.17%	-35.88%	2.54%	4.76%	1.38%
change as % of incremental sales	n/m	n/m	n/m	39.85%	39.02%
Tax expense €	€81,000	€173,000	(€60,000)	€103,000	€165,000
Effective tax rate	-3.22%	-10.67%	-62.50%	22.20%	64.20%
Depreciation expense €	€625,000	€696,000	€802,000	€669,000	€680,000
% of sales	52.92%	13.86%	12.42%	8.69%	9.69%
% of capital expenses	150.60%	80.09%	70.72%	91.52%	88.31%
% of PP&E, net (annualized)	14.06%	15.36%	18.24%	15.63%	16.01%
Capital expenditures €	€415,000	€869,000	€1,134,000	€731,000	€770,000
% change	-52.24%	-23.37%	55.13%	-5.06%	4.48%
% of PP&E, net (annualized)	9.33%	19.18%	25.79%	17.08%	18.13%
% of working capital (annualized)	-27.66%	-68.71%	-109.71%	-67.74%	-68.66%
Interest coverage ratio	(13.68)	(0.32)	7.58	5.01	10.76
% change	-4,140.25%	-104.26%	51.24%	-53.44%	251.51%
Free cash flow €	(€1,500,000)	(€587,000)	(€257,000)	€4,000	€324,000
% change	-155.54%	-128.40%	-6,525.00%	-98.77%	-28.32%
Source:	Interim Report	Interim Report	ARS	Interim Report	Interim Report
	7/31/2020	5/7/2020	2/20/2020	10/31/2019	7/31/2020



QUARTERLY LEVERAGE RATIOS

Stockholders' equity turns negative as net losses add to the accumulated deficit	je Ratios - 1	Sequential	Quarters	net w ne indic credi little	angible orth turns egative ating that tors have to zero otection
Period Ended	6/30/2020	3/31/2020	12/31/2019	9/30/2019	6/30/2019
Total debt €	€14,056,000	€13,358,000	€11,175,000	€11,448,000	€11,408,000
% change	5.23%	19.53%	-2.38%	0.35%	1.13%
Stockholders' equity €	(€2,549,000)	€185,000	€2,299,000	€1,773,000	€1,590,000
% change	-1,477.84%	-91.95%	29.67%	11.51%	-17.74%
Total debt to equity ratio	n/a	72.21	4.86	6.46	7.17
% change	n/a	1,385.46%	-24.72%	-10.01%	22.95%
Tangible net worth €	(€4,048,000)	(€1,380,000)	€777,000		
% change	-193.33%	-277.61%	166.10%	133.60%	-72.16%
Total debt to tangible net worth	n/a	n/a	14.38	39.21	91.26
% change	n/a	n/a	-63.32%	-57.04%	263.28%
Total assets €	€29,310,000		€30,735,000	€30,295,000	
% change	-7.77%	3.40%	1.45%	-0.78%	-0.17%
Total debt to assets ratio	0.48	0.42	0.36	0.38	0.37
% change	14.11%	15.59%	-3.78%	1.15%	1.30%
Tangible assets € % change	€27,811,000 -7.95%	£30,214,000 3.43%	€29,213,000 1.38%	€28,814,000 -0.87%	€29,067,000 -0.11%
Short-term debt €	€2,801,000		€1,755,000		
% change	-21.10%	102.28%	-14.05%	2.82%	7.93%
Short-term debt % of total debt	19.93%	26.58%	15.70%	17.84%	17.41%
% change	-25.02%	69.22%	-11.96%	2.46%	6.72%
Short-term debt % of working capital	-46.74%	-59.09%	-42.70%	-49.10%	-44.39%
% change	20.90%	-38.38%	13.03%	-10.61%	-8.51%
Total liabilities €	€31,859,000		€28,436,000	€28,522,000	
% change	0.84%	11.11%	-0.30%	-1.45%	1.02%
Total liabilities to equity ratio	n/a	170.78	12.37	16.09	18.20
% change	n/a	1,280.71%	-23.11%	-11.62%	22.81%
Total liabilities to tangible net worth ratio	n/a	n/a	36.60	97.68	231.54
% change	n/a	n/a	-62.53%		262.85%
Total debt to EBITDA ratio (annualized)	n/a	n/a	3.80	1.92	2.65
% change	n/a	n/a	97.62%	-27.44%	-62.31%
Source:	Interim Report 7/31/2020	Interim Report 5/7/2020	ARS 2/20/2020	Interim Report 10/31/2019	Interim Report 7/31/2019

QUARTERLY LIQUIDITY RATIOS AND RATES OF RETURN

Steep working		•			
capital deficit					(
	Liquidity Ra	atios - Seque (Thousands of Eu:		ers	
Period Ended	6/30/2020	3/31/2020	12/31/2019	9/30/2019	6/30/2019
Current assets €	€8,298,000	€9,297,000	€8,539,000	€9,033,000	€9,371,000
% change	-10.75%	8.88%	-5.47%	-3.61%	3.39%
% of short-term debt	296.25%	261.89%	486.55%	442.36%	471.85%
Current liabilities €	€14,291,000	€15,305,000	€12,649,000	€13,192,000	€13,845,000
% change	-6.63%	21.00%	-4.12%	-4.72%	2.09%
Working capital €	(€5,993,000)	(€6,008,000)	(€4,110,000)	(€4,159,000)	(€4,474,000)
% change	0.25%	-46.18%	1.18%	7.04%	0.53%
% of sales (annualized)	-126.86%	-29.92%	-15.91%	-13.51%	-15.93%
Cash €	€5,190,000	€5,795,000	€4,515,000	€4,608,000	€4,887,000
% change	-10.44%	28.35%	-2.02%	-5.71%	9.48%
% of short-term debt	185.29%	163.24%	257.27%	225.66%	246.07%
Cash ratio	0.36	0.38	0.36	0.35	0.35
% change	-4.07%	6.08%	2.18%	-1.05%	7.23%
Quick assets €	€6,544,000	€7,360,000	€6,679,000	€7,005,000	€7,445,000
% change	-11.09%	10.20%	-4.65%	-5.91%	5.51%
% of short-term debt	233.63%	207.32%	380.57%	343.05%	374.87%
Quick ratio	0.46	0.48	0.53	0.53	0.54
% change	-4.78%	-8.92%	-0.57%	-1.25%	3.34%
Current ratio	0.58	0.61	0.68	0.68	0.68
% change	-4.41%	-10.03%	-1.40%	1.15%	1.29%
Source:	Interim Report 7/31/2020	Interim Report 5/7/2020	ARS 2/20/2020	Interim Report 10/31/2019	Interim Report 7/31/2019

Returns turn negative in FY 2020

Rate of Return - Sequential Quarters (Thousands of Euros)

	(nousands or Earos	7		
	3 mos	3 mos	3 mos	3 mos	3 mos
criod Ended	6/30/2020	3/31/2020	12/31/2019	9/30/2019	6/30/2019
Return on equity	-1,411.89%	-78.34%	9.25%	23.02%	5.02%
% change	-1,702.30%	-946.91%	-59.82%	358.72%	127.85%
Return on net tangible equity	n/a	-231.79%	56.16%	292.80%	21.60%
% change	n/a	-512.70%	-80.82%	1,255.33%	125.80%
Return on total assets	-8.55%	-5.76%	0.54%	1.20%	0.32%
% change	-48.41%	-1,172.18%	-55.34%	279.14%	129.50%
Return on tangible assets	-9.00%	-6.06%	0.57%	1.26%	0.33%
% change	-48.53%	-1,172.21%	-55.30%	279.22%	129.50%
Source:	Interim Report	Interim Report	ARS	Interim Report	Interim Report
	7/31/2020	5/7/2020	2/20/2020	10/31/2019	7/31/2020



YEAR OVER YEAR STATEMENT OF CASH FLOWS

Worsening net losses over the last three periods		•		Cash opera turn ne	tions gative
Statement of Cash Flo		ver-Year - ands of Euros)	Standardiz	ed - Year t	o Date
Period Ended	6 mos 6/30/2020	6 mos 6/30/2019	6 mos 6/30/2018	6 mos 6/30/2017	6 mos 6/30/2016
		Reclassified 6/30/2020		Reclassified 6/30/2018	
Cash Flows from Operating Activities:		0,00,2020		0,00,2010	
Net income	(€4,417,000)	(€226,000)	(€158,000)	€459,000	(€111,000)
Depreciation/depletion	1,527,000	1,473,000	1,442,000	1,387,000	781,000
Deferred taxes	244,000	34,000	61,000	190,000	33,000
Non-cash Items	1,300,000	211,000	(32,000)	(453,000)	(56,000)
Changes in working capital	543,000	791,000	833,000	846,000	793,000
Total cash from operating activities	(803,000)	2,283,000	2,146,000	2,429,000	1,440,000
Cash Flows from Investing Activities:					
Capital expenditures	(1,284,000)	(1,507,000)	(1,534,000)	(1,339,000)	(1,152,000)
Other investing cash flow items, total	525,000	-		,	775,000
Total cash from investing activities	(759,000)	(1,396,000)	(1,485,000)	(1,520,000)	(377,000)
Cash Flows from Financing Activities:					
Financing cash flow items	0	53,000	(1,000)	(1,000)	(7,000)
Issuance/retirement of debt, net	2,661,000	(92,000)		(613,000)	(287,000)
Total cash from financing activities	2,661,000	(39,000)	(1,270,000)	,	(294,000)
Foreign exchange effects	(17,000)	(13,000)	8,000	(22,000)	(24,000)
Net change in cash	1,082,000	835,000	(601,000)	273,000	745,000
Net cash-beginning balance	3,711,000	3,580,000	4,667,000	3,933,000	3,073,000
Net cash-ending balance	€4,793,000	€4,415,000	€4,066,000	€4,206,000	€3,819,000
Supplemental Disclosures: Cash interest paid	£190.000	£221.000	€256,000	£217.000	n/o
Cash taxes paid, supplemental	€180,000 €9,000	€221,000 (€5,000)	€236,000 €20,000	€317,000 €9,000	n/a n/a
Source:	-	· · /	Interim Report 8/1/2018		

ABOUT THIS REPORT/CONTACT CREDITRISKMONITOR®



CreditRiskMonitor[®] is a financial risk analysis and news service that helps credit, supply chain and financial professionals stay ahead of and manage risk quickly, accurately and cost effectively. More than 35% of the Fortune 1000, plus over a thousand other large corporations worldwide, rely on our financial risk coverage of over 57,000 global public companies.

CreditRiskMonitor's High Risk Reports feature companies that are exhibiting a significantly high level of financial distress, as indicated by our proprietary FRISK[®] score. The ultimate goal of the High Risk Report series is twopart: provide an early warning for those doing business with an increasingly distressed company and inform of the many signals that should be examined when assessing financial risks.

Request a Personalized Demo and Risk Assessment

<u>Read more Bankruptcy Case Studies, High Risk Reports and</u> <u>other resources</u>

Contact us at: 845.230.3000 <u>creditriskmonitor.com/contact-us</u>