

EXHIBIT A3.2.4 THE HOME DEPOT AND LOWE'S OPERATING CYCLE MANAGEMENT.

DATA FROM THE FIRMS' INCOME STATEMENTS AND MANAGERIAL BALANCE SHEETS

Fiscal Year	The Home Depot			Lowe's	
	2006	2007	2008	2006	2007
Working capital requirement					
Net revenues	1.6%	3.0%	3.5%	2.3%	3.1%
Cost of goods sold					
Inventories	4.1 times	4.4 times	4.4 times	4.3 times	4.1 times
Accounts payable ^{1,2}					
Average daily purchases	49.8 days	39.9 days	36.4 days	41.2 days	43.6 days

¹Daily averages are computed on the basis of 365 days a year.²Purchases are computed as the sum of cost of goods sold plus change in inventories.

the two companies at year-end 2008 explains why Lowe's ratio of WCR sales is lower than that of The Home Depot, despite a lower inventory ratio.

FURTHER READING

1. Brealey, Richard, Stewart Myers, and Franklin Allen. *Principles of Corporate Finance*, 9th ed. McGraw-Hill, 2008. See Chapters 29 to 31.
2. Damodaran, Aswath. *Corporate Finance: Theory and Practice*, 2nd ed. Wiley & Sons, 2001. See Chapter 13.
3. Damodaran, Aswath. *Damodaran on Valuation*, 2nd ed. John Wiley & Sons, 2006. See Chapter 10.
4. Koller, Tim, Marc Goedhart, and David Wessels. *Valuation: Measuring and Managing the Value of Companies*, 4th ed. John Wiley & Sons, 2005.
5. Ross, Stephen, Randolph Westerfield, and Jeffrey Jaffe. *Corporate Finance*, 8th ed. McGraw Hill Irwin, 2008. See Chapters 26 to 28.

SELF-TEST PROBLEMS**3.1 EVALUATING MANAGERIAL PERFORMANCE.**

Allied & Consolidated Clothier (ACC), a clothing manufacturer, launched an aggressive marketing program aimed at raising the growth rate in sales in 2010.

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least 50 percent compared with the *growth rate* achieved in 2009. The company's financial statements from 2008 to 2010 are shown below and on the following page. The income statements span a calendar year and balance sheets are dated December 31. All figures are in millions of dollars.

- a. Has ACC achieved its marketing objective?
- b. Restate ACC's balance sheets in their managerial form. What does working capital requirement (WCR) measure? Is it a long-term or a short-term investment?
- c. Examine the structures of invested capital and capital used in the managerial balance sheets prepared in the previous question (state each component as a percentage of the total). What do you observe?
- d. Compare the 2008 balance sheet with the 2010 balance sheet. Are these balance sheets matched or unmatched?
- e. Analyze ACC's operational efficiency from 2008 to 2010. Calculate and compare the following efficiency ratios for the three-year period. What can you conclude?
 1. WCR-to-sales ratio
 2. Average collection period
 3. Inventory turnover
 4. Average payment period (use cost of goods sold)
- f. Analyze ACC's liquidity position from 2008 to 2010. Calculate and compare the following liquidity ratios over the three-year period. What can you conclude?
 1. The liquidity ratio (net long-term financing to WCR)
 2. The current ratio
 3. The quick ratio
- g. What general conclusion can you draw from your analysis?

Balance Sheets (in millions)							
	2008	2009	2010		2008	2009	2010
Current assets	\$100	\$ 90	\$ 50	Short-term debt	\$ 80	\$ 90	\$ 135
Long-term assets	200	230	290	Trade payables	170	180	220
Expenses	160	170	300	Accrued expenses	40	45	50
Assets	30	30	35	Long-term debt	140	120	100
Liabilities	390	390	365	Owners' equity	450	475	535
Total	\$880	\$910	\$1,040	Total liabilities & owners' equity	\$880	\$910	\$1,040

Income Statements (in millions)			
	2008	2009	2010
Net sales	\$1,200	\$1,350	\$1,600
Cost of goods sold	860	970	1,160
Selling, general, and administrative expenses	150	165	200
Depreciation expense	40	50	55
Earnings before interest and tax (EBIT)	150	165	185
Net interest expense	20	20	25
Earnings before tax (EBT)	130	145	160
Income tax expense	40	45	50
Earnings after tax (EAT)	\$ 90	\$ 100	\$ 110
Dividends	\$ 75	\$ 75	\$ 50

3.2 WORKING CAPITAL MANAGEMENT FOR A RETAILER.

The consolidated financial statements of Carrefour, the French retailer, for the years 2007 and 2008, are shown below and on the following page.

- Calculate working capital requirement at year-ends 2007 and 2008. Interpret your results.
- Calculate the ratio of working capital requirement to sales. What is the effect of faster growth on Carrefour's liquidity position?
- What were Carrefour's average collection periods, inventory turnover, and average payment periods (based on cost of sales) in 2007 and 2008? What can you conclude about the effect of these parameters on the magnitude of Carrefour's working capital requirement?
- Calculate Carrefour's current ratios and quick ratios. What can you conclude about the reliability of these liquidity ratios for the case of retailers such as Carrefour?

Income Statements (in millions)		
	2007	2008
Net sales	€82,149	€86,967
Cost of goods sold	64,609	68,709
Selling, general, and administrative expenses	12,526	13,096
Depreciation, amortization, and provisions	1,723	1,816
Financial income, net of expenses	526	562
Net profit of affiliated companies	2,765	2,738
Income tax expense	807	743
Net income ¹	€ 1,958	€ 1,995

¹ Excluding nonrecurring income, nonrecurring expenses, and discontinued operations.

Balance Sheets (in millions)					
Year end	2007	2008		2007	2008
Current assets			Liabilities		
Cash and securities	€ 4,164	€ 5,317	Short-term borrowings	€ 3,247	€ 2,709
Trade receivables ²	863	779	Accounts payable	17,077	17,276
Inventories	6,867	6,891	Accrued expenses	2,848	2,947
Other current assets ³	6,231	6,190	Other current liabilities ⁴	4,866	4,800
			Long-term borrowings	11,542	12,725
Long-term assets	33,224	32,232	Stockholders' equity	11,770	10,952
Total assets	€ 51,349	€ 51,409	Total liabilities and owners' equity	€ 51,349	€ 51,409

¹Mainly from the group's franchisees.

²Receivables from suppliers for rebates and commercial incentives plus short-term consumer credit.

³Mainly short-term consumer credit refinancing.

REVIEW PROBLEMS

1. Transactions.

Indicate the effects of the following transactions on *net long-term financing (NLF)*, *working capital requirement (WCR)*, *net short-term financing (NSF)*, and *net profit*. Use + to indicate an increase, - to indicate a decrease, and 0 to indicate no effect.

	NLF	WCR	NSF	NET PROFIT
Shares are issued for cash				
Goods from inventory are sold for cash				
Goods from inventory are sold on account				
A fixed asset is sold for cash for less than book value				
A fixed asset is sold for cash for more than book value				
Corporate income tax is paid				
Payment is made to trade creditors				
Cash is obtained through a short-term bank loan				
Cash is obtained through a long-term bank loan				
A cash dividend is declared and paid				
Accounts receivable are collected				
Merchandise is purchased on account				
Cash advances are made to employees				
Minority interest in a firm is acquired for cash				
Equipment is acquired for cash				