

Lecture 4: Financial Statement Analysis – Part 1

Ratio, Trend, Common-Size, and Industry Comparison Analyses



Presentation to Cox Business Students

FINA 3320: Financial Management



Purpose of This Lecture

- Develop tools to analyze financial statements using
 - (1) Ratio and Trend Analyses
 - Become familiar with constructing and interpreting ratios
 - Learn to interpret and analyze trends in ratios
 - (2) Comparative Analyses
 - Common-Size Analysis: comparison of one company to another
 - Industry Comparison Analysis: comparison of one company to the industry average



The Example: Cox Oil Company, Inc.

- We will employ the Cox Oil Company, Inc. example throughout
- Cox example will illustrate basic financial analysis techniques and procedures
 - True test of understanding is ability to apply concepts
 - Cox example provides application of each financial analysis
 - Makes is easier to 'reverse engineer'



Ratio and Trend Analysis

Ratio Analysis
Trend Analysis
Du Pont Analysis



Ratio and Trend Analysis

- For each ratio, we will discuss four items
 - (1) How the ratio is calculated
 - (2) An interpretation of the ratio
 - (3) Calculation of ratios for Cox Oil Company, Inc.
 - Calculate Cox's ratios for 2007 and 2006
 - (4) Discussion of Cox's ratio trends
 - Interpret trend in ratios from 2006 to 2007



What is a Ratio?

(1) Calculation

- Some number divided by some other number
- Once you divide denominator into numerator, you get a single number (e.g., 3/2 = 1.5)

• (2) Interpretation

- How much of something you have (the numerator) per one unit of something else (the denominator)
- Usually expressed as 1.5:1
- Indicates you have 1.5 of something per every 1 unit of something else



Categories of Financial Ratios

- Liquidity Ratios
 - Measures how easily a company can convert assets to cash
- Asset Management Ratios
 - Also known as efficiency ratios or turnover ratios
 - Measures how productive a firm is at utilizing its assets
- Debt Management Ratios
 - Also known as *leverage ratios*
 - Measures how heavily the company uses debt financing
- Profitability Ratios
 - Measures the firm's return on its investments
- Cash Flow Ratios
 - Measures coverage and quality of firm's cash flows



Liquidity Ratios

- Liquidity measures the quality and adequacy of a firm's current assets to meet its current obligations
- Three ratios in this category include
 - (1) Current Ratio
 - (2) Quick Ratio
 - (3) Net Working Capital Turnover



Current Ratio

(1) Calculation

• Total current assets divided by total current liabilities

TotalCurrentAssets
TotalCurrentLiabilities

• (2) Interpretation

- Rough indication of firm's ability to service its current obligations
- The higher the current ratio, the greater the 'cushion' between current obligations and firm's ability to pay them

• (3) Cox's current ratios

$$\frac{TotalCurrentAssets_{2007}}{TotalCurrentLiabilities_{2007}} = \frac{\$405,800}{\$176,000} = 2.31 \qquad \frac{TotalCurrentAssets_{2006}}{TotalCurrentLiabilities_{2006}} = \frac{\$380,000}{\$181,000} = 2.10$$

• (4) Trend Analysis

Increasing trend from 2006 to 2007 indicates Cox's 'cushion' increased



Quick Ratio

(1) Calculation

Current assets minus inventory divided by total current liabilities

<u>CurrentAssets – Inventory</u> <u>TotalCurrentLiabilities</u>

• (2) Interpretation

• Expresses degree to which company covers current liabilities with its most liquid current assets

(3) Cox's quick ratios

$$\frac{CurrentAssets_{2007} - Inventory_{2007}}{TotalCurrentLiabilities_{2007}} = \frac{\$405,\!800 - \$180,\!000}{\$176,\!000} = 1.28$$

$$\frac{CurrentAssets_{2006} - Inventory_{2006}}{TotalCurrentLiabilities_{2006}} = \frac{\$380,000 - \$185,000}{\$181,000} = 1.08$$

- Both years' ratios greater than one
- Increase from 2006 to 2007 is positive trend



Net Working Capital Ratio

(1) Calculation

Net sales divided by net working capital

• (2) Interpretation

- Net working capital is current assets minus current liabilities
- Measures how efficiently net working capital is employed

(3) Cox's net working capital ratios

$$\frac{NetSales_{2007}}{NetWorkingCapital_{2007}} = \frac{\$765,050}{\$405,800 - \$176,000} = 3.33$$

$$\frac{\textit{NetSales}_{2006}}{\textit{NetWorkingCapital}}_{2006} = \frac{\$725,000}{\$380,000 - \$181,000} = 3.64$$

- Indicates \$3.33 of net sales generated by each \$1 in net working capital
- Decreasing trend from 2006 to 2007 indicates decline in efficiency



Asset Management Ratios

- Asset management ratios measure how productive the management of a firm is at utilizing the firm's assets
- Four basic ratios in this category
 - (1) Accounts Receivable (A/R) Turnover
 - (2) Inventory Turnover
 - (3) Fixed Asset Turnover
 - (4) Total Asset Turnover



Asset Management Ratios continued...

- A/R and Inventory utilization measured in two ways
 - (1) Turnover Ratio: measures the number of times A/R or inventory is turned over each year
 - (2) Days' On Hand (DOH): measures the average number of days A/R or inventory are on hand
 - Both ratios provide the same information, but in different forms
 - For Example, if A/R turnover is 4.055X, then A/R DOH is 90 days
- Different industry benchmarks measure inventory turnover differently
 - RMA Annual Statement Studies: Cost of goods sold divided by inventory
 - S&P Industry Surveys: Net sales divided by inventory
 - RMA is theoretically correct!



A/R Turnover

(1) Calculation

• Net sales divided by net A/R

NetSales
NetAccounts Receivables

• (2) Interpretation

- Measures the number of times A/R is turned over each year
- Greater the turnover, the shorter the time between sales and cash collection

(3) Cox's A/R turnover ratios

$$\frac{NetSales_{2007}}{NetAccounts \text{ Re } ceivables_{2007}} = \frac{\$765,050}{\$156,000} = 4.90$$

$$\frac{NetSales_{2006}}{NetAccounts \text{ Re } ceivables_{2006}} = \frac{\$725,000}{\$145,000} = 5.00$$

• (4) Trend Analysis

• Decline from 5X in 2006 to 4.9X in 2007 indicates Cox is taking longer to collect it's A/R, which should be investigated!



A/R Days-on-Hand

(1) Calculation

A/R turnover ratio divided *into* 365 (number of days in one year)

• (2) Interpretation

- Measures the number of days it take to collect A/R
- Greater the number of days, the greater the probability of delinquencies

• (3) Cox's A/R DOH ratios

$$\frac{365}{NetSales_{2007}/NetAccounts} = \frac{365}{\$765,050/\$156,000} = 74.4$$

$$\frac{365}{NetSales_{2006}/NetAccounts} = \frac{365}{\$725,000/\$145,000} = 73.0$$

• (4) Trend Analysis

• Increase from 73 days in 2006 to 74.4 days in 2007 indicates Cox is taking longer to collect it's A/R, which, again, should be investigated!



Inventory Turnover

(1) Calculation

Cost of goods sold (or net sales) divided by inventory

CostOfGoodsSold	NetSales
Inventory	Inventory

• (2) Interpretation

- Measures the number of times inventory is turned over each year
- Greater the number turns, the shorter the time that inventory sits on the shelf

• (3) Cox's Inventory turnover ratios

$$\frac{CostOfGoodsSold_{2007}}{Inventory_{2007}} = \frac{\$535,000}{\$180,000} = 2.97 \qquad \frac{NetSales_{2007}}{Inventory_{2007}} = \frac{\$765,050}{\$180,000} = 4.25$$

$$\frac{CostOfGoodsSold_{2006}}{Inventory_{2006}} = \frac{\$517,000}{\$185,000} = 2.79 \qquad \frac{NetSales_{2006}}{Inventory_{2006}} = \frac{\$725,000}{\$185,000} = 3.92$$

• (4) Trend Analysis

• Increase from 2.79X in 2006 to 2.97X in 2007 indicates inventory is spending less time on the shelf, a positive trend!



Inventory Days-on-Hand

(1) Calculation

• Inventory turnover ratio divided *into* 365 (number of days in one year)

• (2) Interpretation

- Measures the number of days inventory sits on the shelf before being sold
- Provides the average length of time units are in inventory

(3) Cox's Inventory DOH ratios

$$\frac{365}{CostOfSales_{2007}/Inventory_{2007}} = \frac{365}{\$535,000/\$180,000} = 122.80$$

$$\frac{365}{CostOfSales_{2006}/Inventory_{2006}} = \frac{365}{\$517,000/\$185,000} = 130.61$$

• (4) Trend Analysis

 Decrease from 130.61 days in 2006 to 122.8 days in 2007 represents an improvement and indicates Cox's inventory spends less time on the shelf!



Fixed Asset Turnover

(1) Calculation

- Net sales divided by net fixed assets (net of accumulated depreciation)
- Dependent on definition of *fixed assets* (PP&E or Total Long Term Assets)

NetSales
NetFixedAssets

• (2) Interpretation

• Measures the productive use of a firm's fixed assets

• (3) Cox's Fixed asset turnover ratios

$$\frac{NetSales_{2007}}{NetFixedAssets_{2006}} = \frac{\$765,050}{\$150,000} = 5.10 \quad \frac{NetSales_{2007}}{NetLongTermAssets_{2007}} = \frac{\$765,050}{\$260,000} = 2.94$$

$$\frac{NetSales_{2006}}{NetFixedAssets_{2006}} = \frac{\$725,000}{\$119,600} = 6.06 \quad \frac{NetSales_{2006}}{NetLongTermAssets_{2006}} = \frac{\$725,000}{\$249,600} = 2.90$$

- **PP&E**: Decrease from 6.06X in 2006 to 5.1X in 2007 is a negative trend
- TLTA: Increase from 2.9X in 2006 to 2.94X in 2007 is a positive trend!



Total Asset Turnover

(1) Calculation

Net sales divided by total assets

• (2) Interpretation

- Measures the firm's ability to generate sales in relation to total assets
- Indicates the number of dollars in net sales generated by each dollar of assets

• (3) Cox's Fixed asset turnover ratios

$$\frac{NetSales_{2007}}{TotalAssets_{2007}} = \frac{\$765,050}{\$668,050} = 1.145$$

$$\frac{NetSales_{2006}}{TotalAssets_{2006}} = \frac{\$725,000}{\$631,600} = 1.148$$

- Slight decrease from 1.148X in 2006 to 1.145X in 2007 is a negative trend
- Management needs to focus on underlying reason for this decline!



Debt Management (Leverage) Ratios

- This set of ratios measure the amount of debt used to finance assets
- Three basic ratios in this category include
 - (1) Accounts Payable (A/P) Turnover
 - (2) **Debt to Total Assets** (also known as *Debt Ratio*)
 - (3) Times Interest Earned (TIE Ratio)



Debt Management (Leverage) Ratios continued

- A/P utilization can be measured in two ways
 - (1) Turnover Ratio: measures number of times A/P is turned over each year
 - (2) Days' On Hand (DOH): measures average number of days A/P on hand
 - Both ratios provide the same information, just in different forms
 - For Example: if A/P turnover is 4.055X, then A/P DOH is 90 days
- Different industry benchmarks measure A/P turnover differently
 - RMA Annual Statement Studies: Cost of goods sold divided by A/P
 - S&P Industry Surveys: Net sales divided by A/P
 - RMA is theoretically correct!



Accounts Payable (A/P) Turnover

(1) Calculation

• Cost of goods sold (or net sales) divided by accounts payable

<u>CostOfGoodsSold</u>	NetSales
AccountsPayables	AccountsPayables

• (2) Interpretation

- Measures the number of times A/P turns over per year
- Higher number indicates firm is paying it's vendors more quickly

• (3) Cox's Accounts payable turnover ratios

$$\frac{CostOfGoodsSold_{2007}}{AccountsPayables_{2007}} = \frac{\$535,000}{\$60,000} = 8.92 \qquad \frac{NetSales_{2007}}{AccountsPayables_{2007}} = \frac{\$765,050}{\$60,000} = 12.75$$

$$\frac{CostOfGoodsSold_{2006}}{AccountsPayables_{2006}} = \frac{\$517,000}{\$57,000} = 9.07 \qquad \frac{NetSales_{2006}}{AccountsPayables_{2006}} = \frac{\$725,000}{\$57,000} = 12.72$$

- **COGS**: Decreased from 9.07X in 2006 to 8.92X in 2007 indicating Cox enjoyed increased trade terms on it's A/P
- Net Sales: Slight increase from 12.72X in 2006 to 12.5X in 2007



Accounts Payable (A/P) DOH

(1) Calculation

• A/P turnover ratio divided *into* 365 (the number of days on one year)

• (2) Interpretation

- Measures the number of days before a firm makes payment to vendors
- Indicates the average length of time a firm's trade debt is outstanding

• (3) Cox's Accounts payable DOH ratios

$$\frac{365}{CostOfGoodsSold_{2007}/AccountsPayables_{2007}} = \frac{365}{\$535,000/\$60,000} = 40.93$$

$$\frac{365}{CostOfGoodsSold_{2006}/AccountsPayables_{2006}} = \frac{365}{\$517,000/\$57,000} = 40.24$$

(4) Trend Analysis

 Slight increased from 40.24 days in 2006 to 40.93 days in 2007 indicating Cox enjoyed increased trade terms on it's A/P



Debt to Total Assets (Debt Ratio)

(1) Calculation

Total debt divided by total assets

TotalDebt
TotalAssets

(2) Interpretation

- Measures relationship between capital contributed by creditors and total assets, which are financed by both creditors and shareholders
- Amount of debt to each dollar of total assets

(3) Cox's Debt to total assets ratios

$$\frac{TotalDebt_{2007}}{TotalAssets_{2007}} = \frac{\$322,000}{\$668,050} = 0.48 \qquad \frac{TotalDebt_{2006}}{TotalAssets_{2006}} = \frac{\$326,000}{\$631,600} = 0.52$$

• (4) Trend Analysis

 Percentage of assets financed by debt decreased from 52% in 2006 to 48% in 2007 indicating Cox de-levered its capital structure



Times Interest Earned (TIE Ratio)

(1) Calculation

• EBIT divided by annual interest expense

EarningsBeforeInterest & Taxes
AnnualInterestExpense

• (2) Interpretation

- Measures firm's ability to meet interest payments
- Ratio also serves as an indicator of firm's capacity to take on additional debt

(3) Cox's TIE ratios

$$\frac{EarningsBeforeInterest \& Taxes_{2007}}{AnnualInterestExpense_{2007}} = \frac{\$105,\!196}{\$16,\!250} = 6.47$$

$$\frac{EarningsBeforeInterest \& Taxes_{2006}}{AnnualInterestExpense_{2006}} = \frac{\$73,500}{\$16,750} = 4.39$$

- Significant improvement from 4.39X in 2006 to 6.47X in 2007
- EBIT increased substantially, and interest expense decreased, from 2006 to 2007



Profitability Ratios

- Profitability ratios are used to measure the firm's return on its investments
- Three basic ratios in this category
 - (1) Net Profit Margin (NPM)
 - (2) Return on Assets (ROA)
 - (3) Return on Equity (ROE)
- However, additional analysis of NPM is possible with the following two ratios:
 - (1) Gross Profit Margin (GPM)
 - (2) Net Operating Profit Margin (NOPM)



Net Profit Margin

• (1) Calculation

• Net income divided by net sales

(2) Interpretation

- Measures the amount of profit per dollar of net sales
- Indicates how well management has controlled total expenses

(3) Cox's Net profit margin ratios

$$\frac{NetIncome_{2007}}{NetSales_{2007}} = \frac{\$47,750}{\$765,050} = 0.0624 \qquad \frac{NetIncome_{2006}}{NetSales_{2006}} = \frac{\$40,500}{\$725,000} = 0.0559$$

• (4) Trend Analysis

• Increased from 5.59% in 2006 to 6.24% in 2007, indicating management did a better job at controlling expenses in 2007 than in 2006!



Gross Profit Margin

• (1) Calculation

• Gross profit (net sales minus cost of goods sold) divided by net sales

(2) Interpretation

- Measures the amount of direct profit per dollar of net sales
- Indicates how well management has controlled COGS expenses

• (3) Cox's Gross profit margin ratios

$$\frac{Gross \operatorname{Pr} ofit_{2007}}{NetSales_{2007}} = \frac{\$230,050}{\$765,050} = 0.300724 \qquad \frac{Gross \operatorname{Pr} ofit_{2006}}{NetSales_{2006}} = \frac{\$208,000}{\$725,000} = 0.2869$$

- Increased from 28.69% in 2006 to 30.07% in 2007, indicating management did a better job at controlling direct expenses in 2007 than in 2006!
 - Better job controlling direct labor, direct material, and factory overhead



Net Operating Profit Margin

• (1) Calculation

• EBIT (net sales minus COGS minus operating expenses) divided by net sales

• (2) Interpretation

- Measures amount of profit per dollar of net sales after direct and indirect costs
- Used in conjunction with GPM to indicates how well management has controlled operating expenses

• (3) Cox's Net operating profit margin ratios

$$\frac{EBIT_{2007}}{NetSales_{2007}} = \frac{\$105,\!196}{\$765,\!050} = 0.1375 \qquad \frac{EBIT_{2006}}{NetSales_{2006}} = \frac{\$73,\!500}{\$725,\!000} = 0.1014$$

• (4) Trend Analysis

• Increased from 10.14% in 2006 to 13.75% in 2007 and, taken together with GPM ratios, indicates management did a better job at controlling operating expenses in 2007 than in 2006!



Return on Assets (ROA)

• (1) Calculation

Net income divided by total assets

NetIncome TotalAssets

(2) Interpretation

- Measures the rate of return on total assets
- Provides a measure for how well management has controlled expenses *and/or* utilized assets

• (3) Cox's Return on assets ratios

$$\frac{NetIncome_{2007}}{TotalAssets_{2007}} = \frac{\$47,750}{\$668,050} = 0.0715$$

$$\frac{NetIncome_{2006}}{TotalAssets_{2006}} = \frac{\$40,500}{\$631,600} = 0.0641$$

(4) Trend Analysis

• Increased from 6.41% in 2006 to 7.15% in 2007 indicating management improved either the firm's expense control ratio or the firm's asset utilization ratio (or both) in 2007 over 2006!



Return on Equity (ROE)

• (1) Calculation

Net income divided by common equity

NetIncome
CommonEquity

(2) Interpretation

- Measures the rate of return on common shareholders' investment
- Provides a measure for how well management has controlled expenses *and/or* utilized assets *and/or* utilized financial leverage

• (3) Cox's Return on equity ratios

$$\frac{NetIncome_{2007}}{CommonEquity_{2007}} = \frac{\$47,750}{\$346,050 - \$6,000} = .1404 \quad \frac{NetIncome_{2006}}{CommonEquity_{2006}} = \frac{\$40,500}{\$305,600 - \$6,000} = .1352$$

• (4) Trend Analysis

• Increased from 13.52% in 2006 to 14.04% in 2007 indicating management improved either the firm's expense control ratio and/or the firm's asset utilization ratio and/or increased financial leverage in 2007 over 2006!



Cash Flow Ratios

- Cash flow ratios measure the coverage and quality of a firm's cash flows
- Two ratios in this category
 - (1) Cash Flow Coverage of Interest Expenses
 - (2) Quality of Earnings



Cash Flow Coverage of Interest Expenses Ratio

• (1) Calculation

• Cash flow from operating activities plus interest expense divided by interest expense

<u>CashFlowFromOperatingActivities + Interest</u> <u>Interest</u>

(2) Interpretation

- Measures firm's ability to meet interest payments from operating cash flow
- Similar to times interest earned (TIE) ratio

• (3) Cox' Cash flow coverage of interest expenses ratios

$$\frac{CashFlowFromOperatingActivities_{2007} + Interest_{2007}}{Interest_{2007}} = \frac{\$74,800 + \$16,250}{\$16,250} = 5.60$$

- Not enough data to determine ratio for 2006
- Cox can cover its interest expense 5.6X with cash flow from operations



Quality of Earnings Ratio

• (1) Calculation

• Cash flow from operating activities minus preferred dividends divided by earnings available for common shareholders

 $\frac{\textit{CashFlowFromOperatingActivites} - \Pr{\textit{eferredDividends}}}{\textit{EarningAvailableForCommonStockholders}}$

• (2) Interpretation

- Measures the amount of cash flow per dollar of earnings available to common shareholders
- Higher ratio indicates greater strength of firm in terms of its cash flow

(3) Cox' Quality of earnings ratio

$$\frac{CashFlowFromOperatingActivites_{2007} - Pr\ eferredDividends_{2007}}{EarningAvailableForCommonStockholders_{2007}} = \frac{\$74,800 - \$350}{\$47,750 - \$350} = 1.57$$

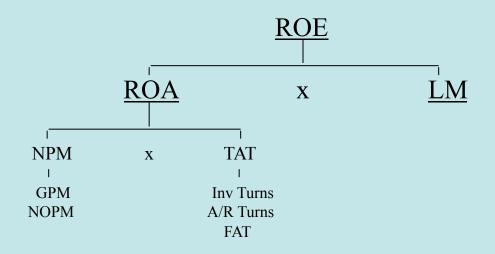
- Not enough data to determine ratio for 2006
- Cox generates \$1.57 in operating cash flow available to common shareholders per each dollar of accounting earnings available to common



Du Pont Analysis

- Provides useful framework to analyze a firm's financial statements using ratio and trend analyses
- Decomposes a firm's ROE into three parts
 - Expense Control: Profit margin
 - Asset Utilization: Total asset turnover
 - Financial Leverage: Leverage Multiplier
- Illustrates management's abilities to...
 - Control expenditure based on analysis of profit margin
 - Utilize assets efficiently based on analysis of asset turnover



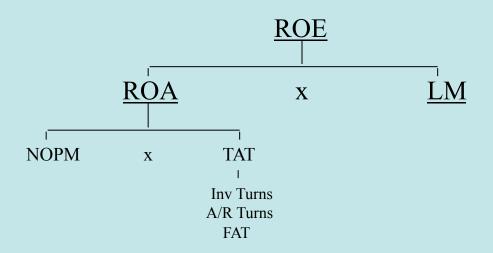


$$ROE = \frac{NetIncome}{TotalAssets} \times \frac{TotalAssets}{CommonEquity} = \frac{NetIncome}{CommonEquity}$$

$$ROA = \frac{NetIncome}{NetSales} \times \frac{NetSales}{TotalAssets} = \frac{NetIncome}{TotalAssets}$$

$$ROE = \frac{NetIncome}{Sales} \times \frac{Sales}{TotalAssets} \times \frac{TotalAssets}{CommonEquity} = \frac{NetIncome}{CommonEquity}$$





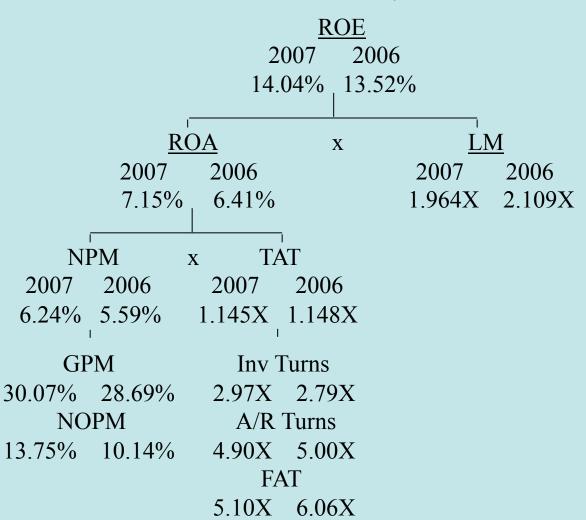
$$ROE = \frac{EBIT}{TotalAssets} \times \frac{TotalAssets}{CommonEquity} = \frac{EBIT}{CommonEquity}$$

$$ROA = \frac{EBIT}{NetSales} \times \frac{NetSales}{TotalAssets} = \frac{EBIT}{TotalAssets}$$

$$ROE = \frac{EBIT}{Sales} \times \frac{Sales}{TotalAssets} \times \frac{TotalAssets}{CommonEquity} = \frac{EBIT}{CommonEquity}$$



Cox Oil Company, Inc. Du Pont Analysis





What do you think of Cox Oil Company, Inc.?

- Positives
 - (1) Profit Margin Improvements from 2006 to 2007
 - Trends in NPM, GPM, and NOPM improved
 - (2) Asset Utilization Improvements from 2006 to 2007
 - Trends in inventory and total long-term asset turnovers improved
 - (3) Financial Leverage Improvement from 2006 to 2007
 - Trend in LM improved (i.e., Cox de-levered)
 - (4) ROE trend improved from 2006 to 2007
 - Negative
 - (1) Asset Utilization Declines from 2006 to 2007
 - Trends in TAT, A/R turnover, and FAT decreased



So, what do you think of Cox Oil Company, Inc.?

Would you invest in Cox Oil Company, Inc.?



Comparative Analyses

- Comparative analyses enable financial managers to compare a company with either another company or the industry as a whole
- Two types of comparative analyses
 - (1) Common-Size Analysis: to compare one company to another
 - (2) **Industry Comparison Analysis**: to compare a company to the industry average



Common-Size Analysis

- Useful way of standardizing financial statements to make one comparable to another
- Common-Sized Balance Sheet: Express each item on the balance sheet as a percentage of total assets
 - Divide each item on the balance sheet by the dollar amount of total assets and multiply by 100
- Common-Sized Income Statement: Express each item on the income statement as a percentage of net sales
 - Divide each item on the income statement by the dollar amount of net sales and multiply by 100



SCHOOL OF BUSINESS

Cox Oil Company, Inc.

December 31

Current Assets:

2007

2,250

1,950

2,250

<u>\$668,050</u>

300

300

0.34%

0.04%

0.30%

0.04%

0.34%

100.00%

%

2006

2,250

2,000

2,000

<u>\$631,600</u>

250

0.36%

0.04%

0.32%

0.00%

0.32%

100.00%

0/0

Common-Sized Consolidated Balance Sheet

Assets

Gross intangibles (goodwill, patents)

Less: accumulated amortization

Investment securities (at cost)

Total other assets (net)

Net intangibles

Total Assets

Cash and cash equivalents	\$ 19,500	2.92%	\$ 15,000	2.37%
Marketable securities	46,300	6.93%	32,000	5.07%
Accounts receivable (net)	156,000	23.35%	145,000	22.96%
Inventories	180,000 26	.94% 185	,000 29.	29%
Prepaid expenses and other current assets	4,000	0.60%	3,000	0.47%
Total current assets	405,800	60.74%	380,000	60.16%
Long-Te	erm Assets:			
Gross property, plant and equipment	185,000	27.69%	146,600	23.21%
Less: accumulated depreciation	<u>35,000</u>	5.24%	<u>27,000</u>	4.27%
Net property, plant and equipment	150,000	22.45%	119,600	18.94%
Gross reserves	200,000	29.94%	200,000	31.66%
Less: accumulated depletion	90,000	13.47%	70,000	11.08%
Net reserves	110,000	16.47%	130,000	20.58%
Total long-term assets (net)	260,000	38.92%	249,600	39.52%
Other	·Assets:			



Liabilities and Shareholders' Equity

Less: Treasury stock at cost

Total Shareholders' Equity

l Liabilities and Shareholders' Equity

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2007

(5,000)

346,050

(0.75%)

51.80%

(5,000)

305,600

<u>\$668,050</u> <u>100.00%</u> <u>\$631,600</u> <u>100.0</u>

%

2006

0/0

(0.79%)

48.39%

Current Liabilities:						
\$ 60,000	8.98%	\$ 57,000	9.03%			
51,000	7.63%	61,000	9.66%			
30,000	4.49%	36,000	5.70%			
17,000	2.55%	15,000	2.37%			
12,000	1.80%	12,000	1.90%			
<u>6,000</u>	0.90%		0.00%			
176,000	26.35%	181,000	28.66%			
Long-Term Liabilities:						
16,000	2.39%	9,000	1.43%			
130,000	19.46%	130,000	20.58%			
<u>-</u>	0.00%	<u>6,000</u>	0.95%			
<u>322,000</u>	48.20%	<u>326,000</u>	51.62%			
Shareholders' Equity:						
6,000	0.90%	6,000	0.95%			
75,000	11.23%	72,500	11.48%			
20,000	2.99%	13,500	2.14%			
249,000	37.27%	219,600	34.77%			
1,000	0.15%	(1,000)	(0.16%)			
50	0.01%	-	0.00%			
	\$ 60,000 51,000 30,000 17,000 12,000 6,000 176,000 130,000 322,000 75,000 20,000 249,000 1,000	\$ 60,000 8.98% 51,000 7.63% 30,000 4.49% 17,000 2.55% 12,000 1.80% 6,000 0.90% 176,000 2.39% 130,000 19.46%	\$ 60,000			



Cox Oil Company, Inc. Common-Sized Consolidated Income Statement January 1 through December 31

(Dollars in Thousands, Except Per-Share Amounts)

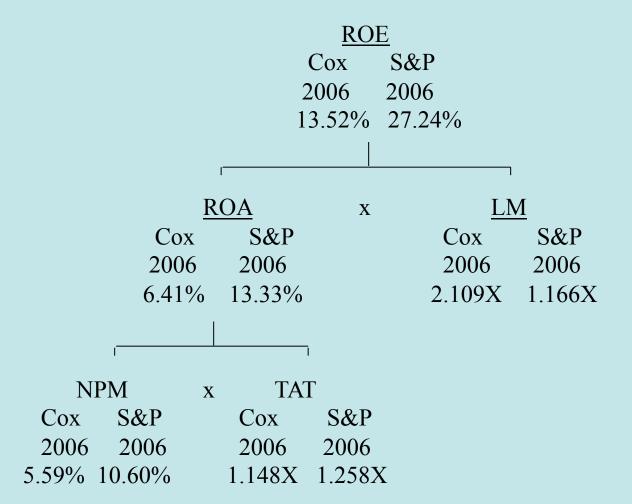
	2007	%	2006	<u>%</u>
Net sales	\$765,050	100.00%	\$725,000	100.00%
Cost of goods sold	535,000	69.93%	<u>517,000</u>	71.31%
Gross Profit	230,050	30.07%	208,000	28.69%
Operating expension	nses:			
Selling, general and administrative expenses	96,804	12.65%	109,500	15.10%
Depreciation, depletion and amortization	<u>28,050</u>	3.67%	<u>25,000</u>	3.45%
Earnings before interest and taxes (EBIT)	105,196	13.75%	73,500	10.14%
Interest Expense	16,250	2.12%	16,750	2.31%
Dividend and interest income	<u>5,250</u>	0.68%	<u>10,000</u>	1.38%
Earnings before taxes and extraordinary items	94,196	12.31%	66,750	9.21%
Income tax	41,446	5.42%	<u>26,250</u>	3.62%
Earnings before extraordinary items	52,750	6.89%	40,500	5.59%
Extraordinary item: Loss on earthquake	(5,000)	(0.65%)	<u> </u>	0.00%
Net income	<u>\$ 47,750</u>	<u>6.24%</u>	\$ 40,500	<u>5.59%</u>
EPS before extraordinary item	\$ 3.55		\$ 2.77	
Earnings per share – extraordinary item	(0.34)		<u> </u>	
Net income per common share	\$ 3.21		<u>\$ 2.77</u>	



Industry Comparison Analysis

- RMA Annual Statement Studies
 - Best industry comparison benchmark for small and middle-market companies
 - Unfortunately, not available in an online form through SMU
- Standard & Poor's Industry Surveys
 - Good industry comparison benchmark for large, publicly-traded companies
 - Available online through SMU's Library
- Use Du Pont Analysis for comparison...







Done!

Now what do you think of Cox Oil Company Inc.?



Thank You!



Charles B. (Chip) Ruscher, PhD

Department of Finance and Business Economics