Roll no. 64											
SAIL (STEEL AUTHORITY OF INDIA LIMITED)											
DATA											
year	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
current assets	78,669.00	86,689.00	94,072.00	1,02,849.00	1,01,527.00	1,07,843.00	1,15,694.00	1,18,201.00	1,27,198.00	1,19,517.00	
current liablities	78,669.00	86,689.00	94,072.00	1,02,849.00	1,01,527.00	1,07,843.00	1,15,694.00	1,18,201.00	1,27,198.00	1,19,517.00	
inventories	14,061.00	16,350.00	15,559.00	18,251.00	14,932.00	15,964.00	17,277.00	19,759.00	24,106.00	15,605.00	
profit before tax	5,282.00	3,460.00	3,346.00	2,245.00	-7,114.00	-4,716.00	-527	3,549.00	3,302.00	7,206.00	
profit after tax	3,594.00	2,329.00	2,652.00	2,035.00	-4,176.00	-2,756.00	-281	2,349.00	2,121.00	4,148.00	
reserves	36,145.00	37,511.00	39,151.00	39,610.00	36,021.00	32,912.00	32,816.00	35,516.00	37,380.00	41,276.00	
share capital	4,131.00	4,131.00	4,131.00	4,131.00	4,131.00	4,131.00	4,131.00	4,131.00	4,131.00	4,131.00	
revenue	46,601.00	44,891.00	46,804.00	46,032.00	38,793.00	44,210.00	57,496.00	66,973.00	61,664.00	69,114.00	
borrowings	17,405.00	22,539.00	26,020.00	32,146.00	35,141.00	41,396.00	45,409.00	45,170.00	54,127.00	37,677.00	
equity	4,131.00	4,131.00	4,131.00	4,131.00	4,131.00	4,131.00	4,131.00	4,131.00	4,131.00	4,131.00	
intrest on borrowings	717	849	1,009	1,523	2,300	2,528	2,852	3,310	3,654	2,942	
RATIOS											
current ratio	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	**liquidity ratio**
quick ratio	82.13%	81.14%	83.46%	82.26%	85.29%	85.20%	85.07%	83.28%	81.05%	86.94%	
ROCE	11.00%	7.00%	5.00%	5.00%	-6.00%	-2.00%	3.00%	9.00%	8.00%	11.00%	**profitability ratio**
asset utilization ratio	80.79%	69.94%	67.54%	60.66%	51.52%	56.36%	69.81%	78.96%	64.48%	83.19%	
profit margin	11.34%	7.71%	7.15%	4.88%	-18.34%	-10.67%	-0.92%	5.30%	5.36%	10.43%	
ROE	87.00%	56.38%	64.20%	49.26%	-101.09%	-66.72%	-6.80%	56.86%	51.34%	100.41%	
Asset gearing	80.82%	84.51%	86.30%	88.61%	89.48%	90.93%	91.66%	91.62%	92.91%	90.12%	**Gearing ratio**
Income Gearing	13.57%	24.54%	30.16%	67.84%	-32.33%	-53.61%	-541.18%	93.27%	110.66%	40.83%	
EPS	870.00%	564.00%	642.00%	493.00%	-1011.00%	-667.00%	-68.00%	569.00%	513.00%	1004.00%	**investors ratio**
profitability	11.34%	7.71%	7.15%	4.88%	-18.34%	-10.67%	-0.92%	5.30%	5.36%	10.43%	**Dupont analysis**
asset turnover	59.24%	51.78%	49.75%	44.76%	38.21%	41.00%	49.70%	56.66%	48.48%	57.83%	
leverage	19.04	20.98	22.77	24.9	24.58	26.11	28.01	28.61	30.79	28.93	

Dupont Analysis: It consists of three ratios i.e profitability , asset turnover and leverage which when multilied all together gives us ROE . This Ratio analysis helps us to find which factor causes the increase in ROE . From the given analysis on SAIL , Asset turnover gives the maximum weightage of approx 49% and the profitabilty decreases has minimum weightage as company did not make much profits during a period , where as leverage had average weightage which seems slowly increasing throughout the 10 year span of time

SAIL

1) Liquidity Ratio

→ current Ratio = $\frac{\text{current assets}}{\text{current liablities}}$

→ Quick Ratio = $\frac{\text{current assets - inventories}}{\text{current liablities}}$

2) Profitablity Ratio

→ ROCE = $\frac{\text{profit before tax}}{\text{Share capital + reserves}} \times 100$

→ Asset utilization Ratio = $\frac{\text{revenue}}{\text{Share capital + reserves + long term debt}}$

→ Profit margin = $\frac{\text{profit before tax}}{\text{revenue}}$

→ ROE = $\frac{\text{profit after intrest \& tax}}{\text{Share capital + reserves}} \times 100$

3) Gearing Ratio :

→ Asset Gearing = $\frac{\text{Borrowings}}{\text{Equity + Borrowings}}$

→ Income Gearing = $\frac{\text{Int on borrowings}}{\text{profit on ordinary activities before intrest \& tax}}$

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4) Investors Ratio :

→ $ROE = \frac{\text{Net profit}}{\text{Share holder equity}}$

Dupont Analysis

$$\frac{\text{Net profit}}{\text{Sales}} \times \frac{\text{Sales}}{\text{Assets}} \times \frac{\text{Assets}}{\text{Shareholder equity}}$$

$\downarrow$ Profitability

$\downarrow$ Asset turnover

$\downarrow$ Leverage