

180

160

140

120

100

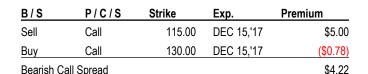
80

60

40

20

8/30/2016



8/15/2019

FWI Tear Sheet : Caterpillar (CAT)

Bearish Call Spread (High Conviction)

Data as of 28 August 2017



We listened to Jim Chanos of Kynikos talk about CAT being his best short idea back in 2013. We have seen that Chanos has been right about a lot of operational issues since then; however, we also have good evidence that CAT is a very well-run company, so are not as excited about this bearish position as he evidently is/was. CAT is a complex firm whose revenues are driven by several different commodity markets as well as by government policy. As such, coming to a rational view about revenue drivers is difficult. We use a simple, statistically-based cyclical revenue model. Because our best-case valuation is below present stock price, we assess as high \$89 conviction. Near-term news flow is working against this position, though.

Drivers

\$68

S-T Revenue Growth

S-T **Profitability** Investment Level / Eff.

high price. Proj (med-term growth): +10% (B), 0% (W)

Proj: +15% (Best), 4% (Worst). Co. very good at maintaining profitability through business cycle! Proj: +11% (B), +8% (W) Poor efficacy last 10 years. Great efficacy over 30, but at a

Environment improving in '17. LatAm recovering after long

weakness, & possibility of Trump Infrastructure plan.

Chanos believes goodwill may need to be written down for Bucyrus acquisition + outstanding legal actions.

Balance Sheet

Valuation & Return Valuation Uncertainty: High

8/25/2017

raise the Effective Sell Price even more.

	Low	Likely	High
Stock Fair Value (\$)	68	89	110
Stock Return (%)	-41	-23	-4
Option Period Return (%)	28	28	28
Option Annual Return (%)	129	129	129

percentage returns higher due to higher leverage.

Historical Metrics Market Risk

	Historical Median	
	5-year	10-year
Revenue Growth (%)	-8	2
Profit Margin (%)	8	8
Med-term Growth	Weak	Weak

Headline risk regarding Trump's proposed infrastructure plan and mining co capex plans. Sensitive to metals pricing and Chinese conditions. PS Ratio range uses top and bottom PS quartiles & FWI revenue estimates.

ESP = \$119.42

We have structured this as a bearish call spread with \$15 per share of

capital at risk to maximize the amount of premium generated. This can also

be structured with only \$10 of capital at risk; dollar returns will be lower, but

New investors might also want to look at the pricing of the options expiring

8/20/2018

in January 2018. Those offer another month's worth of time value, so would

Scenarios Key ST Rev Growth | ST OCP Margin | Med-Term Growth Value Case / Scenario 4% | 8% | 10% 68

8/9/2020





Potential Price Range Based on Historical Price-to-Sales

155