## **U.S. Credit Rotation Model**

#### Indicator Signal Overview – U.S. Credit Rotation Model

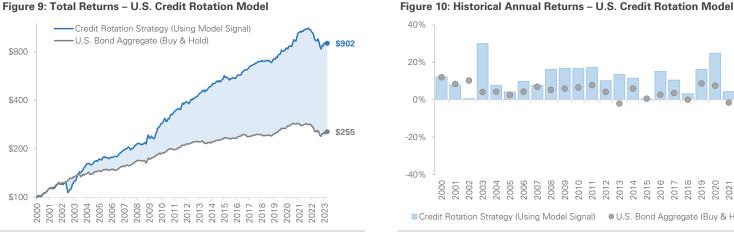
When the U.S. Risk Demand Indicator is below zero, own 100% Risk-Off Exposure. When the U.S. Risk Demand Indicator is above zero, own 100% Risk-On Exposure. The sample model is rebalanced monthly to equal weight. Refer to page 2 to see when the model held Risk-On or Risk-Off exposure for each month since January 2000.

- Risk-On = Low-Quality Credit (High Yield, Fallen Angels, Convertibles)
- Risk-Off = High-Quality Credit (U.S. Treasuries & MBS)

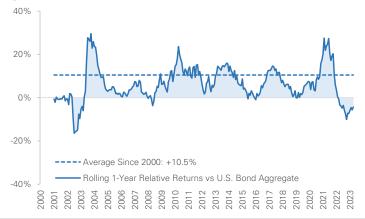
#### Figure 8: Performance Statistics – U.S. Credit Rotation Model

Annual Statistics of Returns & Risks	<b>US Bond Aggregate</b> (Benchmark)	Credit Sector Rotation Model
Average Return	4.1%	10.3%
Strategy CAGR	4.1%	9.9%
Maximum Drawdown	-17%	-26%
% of Positive Years	87%	96%
Upside Capture	100%	215%
Downside Capture	100%	14%
Net Capture	0%	+201%
Max Positive Year	12%	30%
Max Negative Year	-13%	-20%
Max Risk / Reward Ratio	0.92	1.47

Source: MarketDesk Quant Pack. Based on annual calendar year returns since 2000.



Source: MarketDesk Quant Pack. The portfolio is rebalanced monthly

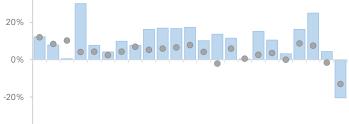


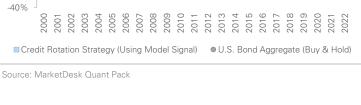
#### Figure 11: 1-Year Relative Returns - U.S. Credit Rotation Model

Source: MarketDesk Quant Pack

0% -20% -40% -60% Credit Rotation Strategy (Using Model Signal) U.S. Bond Aggregate (Buy & Hold) -80% 2013 2014 2015 2009 2010 2011 2012 2016 2017 2018 2019 2000 2005 020 2002 2003 2004 2006 2001 2007 2008 021 023 022

Source: MarketDesk Quant Pack







\$800

\$400

\$200

\$100

# **Next Steps**



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