

**Structured Product Details** 

Name Trigger Yield Optimization Notes linked to Magna International Inc.

Issue Size\$6.43 millionIssue Price\$50.54Term6 MonthsAnnualized Coupon11.80%

Pricing Date March 14, 2011
Issue Date March 17, 2011
Valuation Date September 14, 2011
Maturity Date September 20, 2011

 Issuer
 Barclays

 CDS Rate
 28.02 bps

 Swap Rate
 0.46%

Reference Asset

Initial Level
Conversion Price
Trigger Price
Dividend Rate
Implied Volatility
Delta¹

Magna International Inc.'s
stock
\$50.54
\$50.54
\$40.43
\$13.2%
\$13.2%
\$13.60%
\$13.60%
\$10.41

Fair Price at Issue \$49.47 Realized Return -38.10%

CUSIP 06739J798 SEC Link www.sec.gov/Archives/cdgar/ data/312070/000119312511068368/d424b2.htm

# Related Research

#### Research Papers:

www.slcg.com/research.php

- "Are Structured Products Suitable for Retail Investors?" December 2006.
- "Structured Products in the Aftermath of Lehman Brothers," November 2009.
- "What TiVo and JP Morgan Teach Us about Reverse Convertibles," June 2010.

# Trigger Yield Optimization Notes linked to Magna International Inc.

# Description

Report Prepared On: 10/26/12

Barclays issued \$6.43 million of Trigger Yield Optimization Notes linked to Magna International Inc. on March 17, 2011 at \$50.54 per note.

These notes are Barclays-branded single observation reverse convertibles. Single observation reverse convertibles pay periodic interest coupons and at maturity convert into shares of the reference security if the price of the reference security at the notes' maturity is below the trigger price determined when the notes were issued.

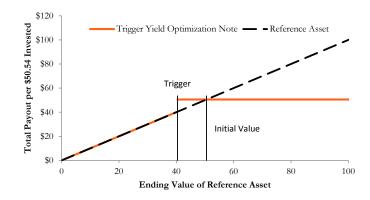
These 6-month notes pay monthly coupons at an annualized rate of 11.80%. In addition to the monthly coupons, on September 20, 2011 investors will receive the market value of one share of Magna International Inc.'s stock if on September 14, 2011 Magna International Inc.'s stock closes below \$40.43 (80% of Magna International Inc.'s stock price on March 14, 2011). Otherwise, investors will receive the \$50.54 face value per note.

### Valuation

This Barclays single observation reverse convertible linked to Magna International Inc.'s stock can be valued as a combination of a note from Barclays and a short European out-of-the-money cash-or-nothing put option, and a short European out-of-the-money put option on Magna International Inc.'s stock. For reasonable valuation inputs this note was worth \$49.47 per \$50.54 when it was issued on March 17, 2011 because investors were effectively being paid only \$2.81 for giving Barclays options which were worth \$3.87.

There is no active secondary market for most structured products. Structured products, including this note, therefore are much less liquid than simple stocks, bonds, notes and mutual funds. Investors are likely to receive less than the structured product's estimated market value if they try to sell the structured product prior to maturity. Our valuations do not incorporate this relative lack of liquidity and therefore should be considered an upper bound on the value of the structured product.

#### Payoff Curve at Maturity



The payoff diagram shows the final payoff of this note given Magna International Inc.'s stock price (horizontal axis). For comparison, the dashed line shows the payoff if you invested in Magna International Inc.'s stock directly.

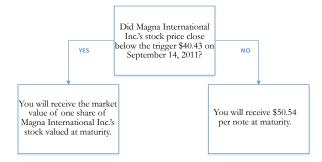
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#### Principal Payback Table

Magna Internation- al Inc.'s Stock	Note Payoff
\$0.00	\$0.00
\$5.05	\$5.05
\$10.11	\$10.11
\$15.16	\$15.16
\$20.22	\$20.22
\$25.27	\$25.27
\$30.32	\$30.32
\$35.38	\$35.38
\$40.43	\$50.54
\$45.49	\$50.54
\$50.54	\$50.54
\$55.59	\$50.54
\$60.65	\$50.54
\$65.70	\$50.54
<b>\$</b> 70.76	\$50.54
\$75.81	\$50.54

#### Maturity Payoff Diagram



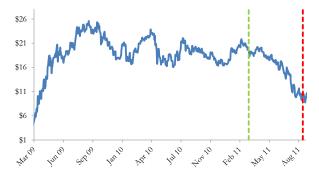
The contingent payoffs of this Trigger Yield Optimization Note.

# **Analysis**

This single observation reverse convertible's 11.80% coupon rate is higher than the yield Barclays paid on its straight debt but, in addition to Barclays's credit risk, investors bear the risk that they will receive shares of Magna International Inc.'s stock when those shares are worth substantially less than the face value of the note at maturity.

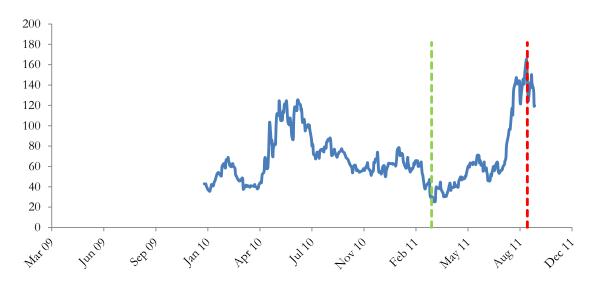
Investors purchasing these reverse convertibles effectively sell put options to Barclays and post the note's issue price as collateral to secure satisfaction of the investors' obligations under the option contracts. Barclays pays investors a "coupon" that is part payment for the put options and part interest on the investors' posted collateral. This reverse convertible is fairly priced if and only if the difference between the reverse convertible's "coupon rate" and interest paid on Barclays's straight debt equals the value of the put option investors are giving to Barclays. Whether this reverse convertible is suitable or not is identically equivalent to whether selling put options on the reference stock at the option premium being paid by Barclays was suitable for the investor.

# Barclays's Stock Price



The graph above shows the adjusted closing price of the issuer Barclays for the past several years. The stock price of the issuer is an indication of the financial strength of Barclays. The adjusted price shown above incorporates any stock split, reverse stock split, etc.

## Barclays's CDS Rate



Credit default swap (CDS) rates are the market price that investors require to bear credit risk of an issuer such as Barclays. CDS rates are usually given in basis points (bps). One basis point equals 0.01%. Higher CDS rates reflect higher perceived credit risk, higher required yields, and therefore lower market value of Barclays's debt, including outstanding Trigger Yield Optimization Note. Fluctuations in Barclays's CDS rate impact the market value of the notes in the secondary market.

#### Magna International Inc.'s Stock Price

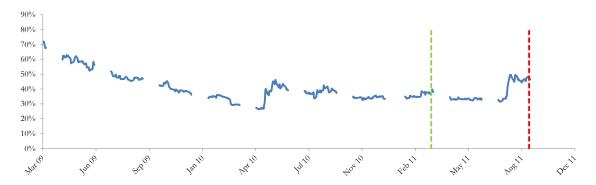


The graph above shows the historical levels of Magna International Inc.'s stock for the past several years. The final payoff of this note is determined by Magna International Inc.'s stock price at maturity. Higher fluctuations in Magna International Inc.'s stock price correspond to a greater uncertainty in the final payout of this Trigger Yield Optimization Note.

#### Realized Payoff

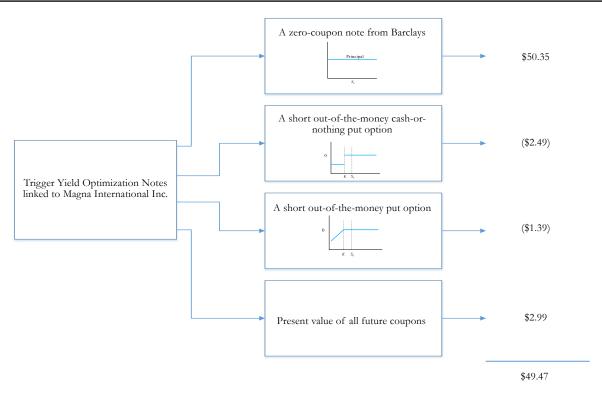
This note matured on September 20, 2011 and investors received \$36.82 per note (or equal to the value of one share of Magna International Inc. stock's closing price on September 14, 2011).

#### Reference Asset Magna International Inc.'s Stock's Implied Volatility



The annualized implied volatility of Magna International Inc.'s stock on March 14, 2011 was 37.60%, meaning that options contracts on Magna International Inc.'s stock were trading at prices that reflect an expected annual volatility of 37.60%. The higher the implied volatility, the larger the expected fluctuations of Magna International Inc.'s stock price and of the Note's market value during the life of the Notes.

# Decomposition of this Trigger Yield Optimization Note



This note can be decomposed into different components, and each component can be valued separately. The chart above shows the value of each component of this Trigger Yield Optimization Note.

- Delta measures the sensitivity of the price of the note to the Magna International Inc.'s stock price on March 14, 2011.
   CDS rates can be considered a measure of the probability that an issuer will default over a certain period of time and the likely loss given a default. The lower the CDS rate, the lower the default probability. CDS rate is given in basis points (1 basis point equals 0.01%), and is considered as a market premium, on top of the risk-free rate, that investors require to insure against a potential default.
   Fair price evaluation is based on the Black-Scholes model of the Magna International Inc.'s stock on March 14, 2011.
   Calculated payout at maturity is only an approximation, and may differ from actual payouts at maturity.
   Our evaluation does not include any transaction fees, broker commissions, or liquidity discounts on the notes.