# **Market Monitor**

March 25, 2015

### **Market Update**

### **Equity**

Kyiv-listed stocks finished mixed on Tuesday (Mar 24), with the UX index inching up by 0.3% to 1054 points. News that Ukraine needs to reach agreement with its creditors on a debt restructuring by mid-June, as this is a deadline before first revision of the new IMF aid program, created a certain nervousness in the market. Among actively traded stocks, UkrNafta (UNAF) and Motor Sich (MSICH) each shed around half a percent. Low-liquidity blue chip Yenakievo Steel (ENMZ) advanced by 4.8% to UAH 17.80 on news that the company is resuming production after one month disruption caused by logistics problems in the war zone in the east of the country. Beatendown DonbasEnergo (DOEN) added 4.5% to UAH 22.62 thanks to information about a potential buy-back offer at UAH 23.00 per share. In London trading, Ferrexpo (FXPO) added 3.4% to near GBp 61 and Regal Petroleum (RPT) jumped 10% to GBp 5.00. Warsaw-listed Kernel (KER) slid 5.0% to PLN 36.30 on more profit taking after a surge last week.

#### **Fixed Income**

Ukrainian sovereigns were sluggish on Tuesday with Ukraine-23s inching up by 0.1p.p. to 40.3/41.5 (25.1%/24.4%). The corporate universe was predominantly flat. MHP-20s edged down by 0.2p.p. to 64.7/66.2 (19.6%/19.0%) and Metinvest-18s finished unchanged at 40.0/42.0 (50.2%/47.8%).

| Volume Leaders  | Ticker | Last, UAH | 1D ch | Volume,<br>UAH mn | Number<br>of Trades |
|-----------------|--------|-----------|-------|-------------------|---------------------|
| Motor Sich      | MSICH  | 2755.00   | -0.4% | 1.3               | 61                  |
| Ukrtelecom      | UTLM   | 0.16      | 6.0%  | 1.3               | 111                 |
| Centrenergo     | CEEN   | 8.01      | -1.0% | 1.2               | 34                  |
| Growth Leaders  |        |           |       |                   |                     |
| Ukrtelecom      | UTLM   | 0.16      | 6.0%  | 1.27              | 111                 |
| Yenakievo Steel | ENMZ   | 17.87     | 4.8%  | 0.17              | 8                   |
| Donbasenergo    | DOEN   | 22.62     | 4.5%  | 0.03              | 33                  |
| Loss Leaders    |        |           |       |                   |                     |
| Azovstal        | AZST   | 0.78      | -1.3% | 0.044             | 27                  |
| Centrenergo     | CEEN   | 8.01      | -1.0% | 1.150             | 34                  |
| Ukrnafta        | UNAF   | 304.00    | -0.6% | 0.556             | 45                  |

### **Highlights**

#### STOCKS IN THE NEWS

> DonbasEnergo Net Profit Drops 5.3x YoY to UAH 100mn in FY14

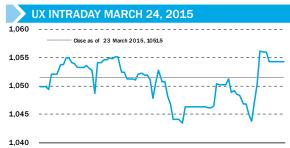
### **FIXED INCOME**

- > DTEK Offers Bondholders 20% Cash in Return For Maturity Extension from 2015 to 2019
- Metinvest Resumes Operations at Yenakievo Steel, Runs Mariupol's mills at 75-80% Capacity Use

## 

21-Dec 31-Dec 10-Jan 20-Jan 30-Jan 9-Feb 19-Feb 1-Mar 11-Mar 21-Mar

| MARKE   | T INDEXES |       |       |       |
|---------|-----------|-------|-------|-------|
|         | Last      | 1D ch | 1M ch | YTD   |
| UX      | 1054.4    | 0.3%  | -4.1% | 2.0%  |
| RTS     | 880.3     | 2.5%  | -3.3% | 11.3% |
| WIG20   | 2412.3    | -0.1% | 2.7%  | 4.2%  |
| MSCI EM | 978.3     | 0.3%  | -0.6% | 2.3%  |
| S&P 500 | 2091.5    | -0.6% | -0.9% | 1.6%  |



| 40 —  |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 10:30 | 11:15 | 12:00 | 12:45 | 13:30 | 14:15 | 15:00 | 15:45 | 16:30 | 17:15 |

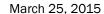
| FIXED INC     | COME   |           |            |            |
|---------------|--------|-----------|------------|------------|
|               | Last   | 1D ch     | 1M ch      | YTD        |
| EMBI+Global   | 415.4  | 0.1%      | 1.4%       | 2.8%       |
| CDS 5Y UKR    | 1678.4 | -19.2%    | -7.8%      | -24.8%     |
| Ukraine-17    | 50.0%  | 0.2 p.p.  | 9.7 p.p.   | 24.3 p.p.  |
| Ferrexpo-16   | 32.9%  | 0.1 p.p.  | -0.4 p.p.  | 1.5 p.p.   |
| Ukraine-23    | 24.8%  | -0.1 p.p. | 2.3 p.p.   | 17.3 p.p.  |
| Privatbank-16 | 249.5% | 1.0 p.p.  | 125.8 p.p. | 164.1 p.p. |

| CURF | RENCY     |       |        |       |
|------|-----------|-------|--------|-------|
|      | Last, UAH | 1D ch | 1M ch  | YTD   |
| USD  | 23.23     | 2.5%  | -17.1% | 46.8% |
| EUR  | 25.37     | 2.3%  | -20.4% | 32.6% |
| RUB  | 0.40      | 4.3%  | -10.5% | 46.4% |

| СОММОД        | ITIES  |       |       |        |
|---------------|--------|-------|-------|--------|
|               | Last   | 1D ch | 1M ch | YTD    |
| Wheat, USD/t* | 208.2  | 0.0%  | -2.4% | -15.4% |
| Steel, USD/t  | 390.0  | 0.0%  | -1.9% | -13.3% |
| Oil, USD/bbl  | 55.1   | -1.4% | -9.3% | -6.9%  |
| Gold, USD/oz  | 1193.3 | 0.3%  | -0.7% | 0.7%   |

\*Ukraine FOB Source: Bloomberg, Ukrainian Exchange







# DonbasEnergo Net Profit Drops 5.3x YoY to UAH 100mn in FY14

by Dmitry Churin d.churin@eavex.com.ua

### DONBASENERGO (DOEN UK)

Price: UAH 22,62 Market Cap: USD 23mn

|       | P/B | EV/S | P/E  | EV/EBITDA | Div. Yield |
|-------|-----|------|------|-----------|------------|
| 2014E | 0.3 | 0.1  | 2.7* | 2.6       | 5.7%       |
| 2015E | 0.0 | 0.3  | 9.6  | 14.8      | 3.1%       |

\*actual

#### **NEWS**

DonbasEnergo, Ukraine's fifth-largest thermal electricity generation company, reported a net profit of UAH 100mn (USD 8.4mn at the average UAH/USD exchange rate for 2014), representing a drop of 5.3x in UAH terms, according to the announcement for the company's general shareholder meeting published on Mar 20. DonbasEnergo did not unveil any other P&L items in the statement. The shareholders meeting is scheduled for Apr 24 in Kyiv.

#### COMMENTARY

DonbasEnergo's announced net profit was far below our original forecast of UAH 480mn issued in 3Q14, as the company had a net loss of UAH 624mn in 4Q14 as a result of coal supply disruptions to both its Slavyansk and Starobeshevo power plants (the latter is on its way to being nationalized by the Donbass separatist authorities). Nevertheless, the main point about the scheduled shareholder meeting is that the company is obligated to pay out 30% of its FY14 net profit as a dividend, since a 25% stake in the company is still owned by the state. We estimate that the dividend will amount to UAH 1.28 per share, implying a 5.7% dividend yield at the current share price. Importantly, there is an item of so-called "significant deals approval" on the agenda of the shareholder meeting. According to Ukrainian law, shareholders who vote against the 'significant deals' have the right to sell their shares to the company at a market price on the day before the official announcement of the shareholder meeting, creating an arbitrage opportunity. We assume that the buy back price for DOEN will be set at UAH 23.09, compared to Tuesday's close of UAH 22.62.



March 25, 2015



DTEK Offers Bondholders 20% Cash in Return For Maturity Extension from 2015 to 2019

by Dmitry Churin d.churin@eavex.com.ua

### **NEWS**

Vertically-integrated thermal power plant operator DTEK, the largest private energy company in Ukraine, has asked holders of its outstanding USD 200mn Eurobonds coming due on Apr 28 to exchange 80% of the bonds for a new issue, according to DTEK's announcement on the London Stock Exchange released on Monday (Mar 23). DTEK will pay a cash consideration of USD 200 per USD 1,000 nominal amount of existing notes. The new Eurobond 4-year issue in the amount of USD 170mn and carrying a 10.375% coupon rate was offered to investors who agree to the exchange. For bondholders agreeing by Apr 8, DTEK will pay a fee of USD 20 per USD 1,000 nominal amount of existing notes. The offer is set to expire at 5pm on Apr 22 (US Eastern Time). The minimum acceptance threshold for going ahead with the exchange was set by DTEK at 85%. If the minimum acceptance condition is not satisfied DTEK will try to force bondholders to exchange notes by applying to the High Court of Justice of England and Wales. If the exchange offer is not consummated and the court ruling is not approved, DTEK is likely to be unable to repay the principal outstanding on the existing notes on their stated maturity date. This would trigger an event of default under the existing notes and cross defaults under certain of the issuer's other indebtedness.

On 31 Dec 2014, DTEK had total debt of UAH 54.4bn (USD 3.5bn), of which 92% is in foreign currency. Most debt maturities fall over 2015-2018. DTEK's liquidity is supported by cash and cash equivalents of USD 513mn. The group's Net Debt/EBITDA ratio was 2.92x at the end of FY14.

### **COMMENTARY**

DTEK's exchange offer for its bonds due on Apr 28 was fully expected by the market. Earlier this month, Fitch downgraded DTEK's Long-term foreign and local currency Issuer Default Ratings (IDR) to 'C' from 'CCC'. Fitch said the rating reflects DTEK's weak operating environment as well as high refinancing and currency devaluation risks. Certainly, DTEK's liquidity at the end of FY14 was insufficient to cover the forthcoming short-term debt maturities, including the April notes. In our opinion, it will be a challenge for DTEK to gain 85% support from its bondholders for the exchange, despite the increase in the coupon from 9.50% to 10.375% and the 20% cash redemption on the date of original maturity next month. In case DTEK manages to prolong redemption of USD 170mn, it will have a much-needed positive effect on the company's overall liquidity and operations. DTEK's vertically integration business model is under threat from loss of access to much of its coal mining capacity in Donbass separatist-held territory.

DTEK's 2018 Eurobonds are currently quoted at 34.0/37.0 (55.1%/50.8%), which reflects the company's exposure to territories not controlled by the Ukrainian government.



Metinvest Resumes Operations at Yenakievo Steel, Runs Mariupol's mills at 75-80% Capacity Use

by Ivan Dzvinka i.dzvinka@eavex.com.ua

### **NEWS**

Metinvest, Ukraine's largest metals and mining holding, resumed production at its steel mill in Yenakievo on March 20, the group reported on its website on Tuesday (Mar 24). The group had suspended operations at the mill back on Feb 6 due to damaged railway infrastructure that has resulted from the Donbass war. The group intends to reach capacity use of 80% (~220,000 tonnes) at Yenakievo in April. Yenakievo's order book for April amounts to 200,000 tonnes of processed steel.

In another news, Metinvest stated its Mariupol-based plants (Azovstal and MMK Illicha) are now operating at capacity use of 75-80% while Zaporizhstal is running at almost 100% capacity utilization.

### **COMMENTARY**

This is the second time that Metinvest has halted, and then relaunched, operations at Yenakievo following two months of suspension from mid-August to mid-October last year. The previously time, the plant managed to show a 3.8x expansion in its daily output from 1,700 tonnes in the second part of October to 6,300 tonnes in December (monthly output of almost 200,000 tonnes). In addition, early this year Metinvest said it intends to launch energy-efficient pulverized coal injection (PCI) technology at Yenakievo in 1H15. PCI reduces natural gas and coke use in the hot metal production process by some 90% and 20% respectively. On the other hand, as we have said before, the production expansion at Donbass-based mills of the group as well as implementation of energy-efficient technology will crucially depend on a sharp reduction in armed hostilities in the Donbass region as a necessary precondition. The most recent ceasefire has been in place for 5 weeks, and has largely been holding up.



# **Recommendations**

March 25, 2015

| EAVEX |  |  |
|-------|--|--|
|       |  |  |

| Name                  | Ticker  | Price,<br>per share | Target price,<br>per share | Upside, % | Rating | Commentary  |
|-----------------------|---------|---------------------|----------------------------|-----------|--------|---|
| Agriculture           |         |                     |                            |           |        |   |
| Kernel                | KER PW  | 36.0                | 50.2                       | 39%       | BUY    | Hedging approach to making business, no devaluation risk, limited political risk due to lack of assets in the Donbass, and a U-turn in the farming segment in the 2014-15 season make Kernel's stock our current top investment story.          |
| МНР                   | MHPC LI | 9.2                 | 17.96                      | 95%       | BUY    | The company is set to reach full capacity utilisation at its greenfield Vinnytsia project in late 2014 on the back of favorable export and domestic markets demand for its poultry.   |
| Astarta               | AST PW  | 22.5                | 90.0                       | 300%      | BUY    | Astarta's business leans on three pillars: sugar beet cultivation/processing, grain cultivation, and cattle farming. With sugar prices depressed since 2011, a favorable market for grain should continue to drive the company's profitability. |
| AvangardCo            | AVGR LI | 3.0                 | 2.7                        | -13%      | HOLD   | Lost of the company's output at war-hit Donbass together with UAH devaluation will lead to lower EBITDA in 2015 after some 55% drop in 2014.  |
| Ovostar Union         | OVO PW  | 69.5                | 80.8                       | 16%       | HOLD   | Ovostar is one of the hardest-hit Ukrainian public companies from this year's UAH devaluation as some 70% of its production cost is linked to USD while only 15% of revenue earned in hard currency.  |
| Iron Ore              |         |                     |                            |           |        |   |
| Ferrexpo              | FXPO LN | 60.0                | 48.0                       | -20%      | SELL   | Exacerbated issue of global ore oversupply together with sluggish growth in demand will likely keep<br>iron ore prices at depressed level at least in the short run boding bad for Ferrexpo's earnings.   |
| Steel                 |         |                     |                            |           |        |   |
| Azovstal              | AZST    | 0.78                | 0.56                       | -28%      | SELL   | Non-transparent reporting practices detrimentally affect Azovstal's reported earnings.  |
| Coke Avdyivka Coke    | AVDK    | 1.38                | U/R                        |           | Susp.  | Avdyivka Coke experienced several artillery attacks since August 2014 due to its location near the border of occupied territory.  |
| Specialized Machinery |         |                     |                            |           |        |   |
| Motor Sich            | MSICH   | 2755                | 5250                       | 91%       | BUY    | Motor Sich should see its sales grow with a 2012-2016E CAGR of 9%, reaching USD 1.2bn. For 2012-2016, we forecast an average EBITDA margin of 35% and a net margin of 28%.  |
| Turboatom             | TATM    | 5.00                | 8.9                        | 78%       | BUY    | We model Turboatom's revenue as increasing at 18% CAGR over 2012-2015. Deliveries of hydro and steam turbines to export markets will remain the company's key revenue drivers.  |
| Oil & Gas             |         |                     |                            |           |        |   |
| Concern Galnaftogaz   | GLNG    | 0.15                | 0.24                       | 60%       | BUY    | Galnaftogaz is pursuing a plan to aggressively expand its filling station network.  |
| Regal Petroleum       | RPT     | 4.3                 | U/R                        | -         | U/R    | The company has been constantly missed production targets since 2012.   |
| JKX Oil & Gas         | JKX     | 33.3                | U/R                        | -         | U/R    | The launch of extraction at JKX's Russian gas field has lifted output, but the company's higher-margin Ukrainian operations continue to lag behind expectations.  |
| Power Utilities       |         |                     |                            |           |        |   |
| DonbasEnergo          | DOEN    | 22.6                | U/R                        | -         | U/R    | DNR Intends to Nationalize DonbasEnergo-Owned Power Plant. The Starobeshevo plant accounts for about 70% of DonbasEnergo's installed power-generating capacity.   |
| CenterEnergo          | CEEN    | 8.01                | 15.00                      | 87%       | BUY    | CentrEnergo's privatization has been postponed, but the company retains a strong fundamental value due to its large installed electricity generation capacity.  |
| Banks                 |         |                     |                            |           |        |   |
| Raiffeisen Bank Aval  | BAVL    | 0.101               | 0.24                       | 138%      | BUY    | The bank has quite conservative risk policy therefore we assume it would weathered the current financial crisis in Ukraine and will start to generate solid profit starting from FY16.  |

Source: Eavex Research







|                            |              |                |                  |                 |            |                | _               |            |              |                  |                    |                |
|----------------------------|--------------|----------------|------------------|-----------------|------------|----------------|-----------------|------------|--------------|------------------|--------------------|----------------|
| Name                       | Ticker       | Today,<br>UAH* | 52 high,<br>UAH* | 52 low,<br>UAH* | <b>1</b> d | Absolute<br>1w | performar<br>1m | ice<br>ytd | Perfor<br>1d | mance rela<br>1w | ative to the<br>1m | UX index ytd   |
| UX Index                   | UX           | 1054.36        | 1368.76          | 908.88          | 0.3%       | -3.2%          | -4.1%           | 2.0%       | 0.0%         | 0.0%             | 0.0%               | 0.0%           |
| Steel                      |              |                |                  |                 |            |                |                 |            |              |                  |                    |                |
| Alchevsk Steel             | ALMK         | 0.012          | 0.045            | 0.011           | 1.7%       | -14.0%         | -12.1%          | -15.2%     | 1.4%         | -10.8%           | -8.1%              | -17.2%         |
| Azovstal                   | AZST         | 0.78           | 0.95             | 0.35            | -1.3%      | -4.0%          | -7.3%           | 4.2%       | -1.5%        | -0.8%            | -3.2%              | 2.1%           |
| Enakievo Steel             | ENMZ         | 17.87          | 65.00            | 14.81           | 2.1%       | 5.1%           | -4.1%           | -14.7%     | 1.8%         | 8.3%             | -0.1%              | -16.7%         |
| Coke                       |              |                |                  |                 |            |                |                 |            |              |                  |                    |                |
| Avdyivka Coke              | AVDK         | 1.38           | 3.62             | 1.10            | -0.1%      | -4.6%          | -1.6%           | -20.3%     | -0.4%        | -1.5%            | 2.5%               | -22.4%         |
| Yasynivsky Coking          | YASK         | 0.38           | 0.84             | 0.18            | 0.0%       | 8.6%           | 46.2%           | 35.7%      | -0.3%        | 11.7%            | 50.2%              | 33.7%          |
| Iron Ore Mining            |              |                |                  |                 |            |                |                 |            |              |                  |                    |                |
| Centralny GOK              | CGOK         | 9.20           | n/a              | n/a             | 0.0%       | 0.0%           | 9.5%            | 18.1%      | -0.3%        | 3.2%             | 13.6%              | 16.1%          |
| Ferrexpo                   | FXPO         | 60.00          | 162.10           | 47.91           | 1.7%       | -0.4%          | -7.0%           | 13.2%      | 1.4%         | 2.7%             | -2.9%              | 11.2%          |
| Pivnichny GOK              | SGOK         | 8.30           | 12.30            | 4.44            | 0.0%       | -2.4%          | -1.2%           | -0.8%      | -0.3%        | 0.8%             | 2.9%               | -2.9%          |
| Coal Mining                |              |                |                  |                 |            |                |                 |            |              |                  |                    |                |
| Pokrovske Mine             | SHCHZ        | 0.48           | 0.79             | 0.17            | 0.0%       | 0.0%           | 0.0%            | 2.1%       | -0.3%        | 3.2%             | 4.1%               | 0.1%           |
| Pipe Manufacturing         |              |                |                  |                 |            |                |                 |            |              |                  |                    |                |
| Khartsyzk Pipe             | HRTR         | 0.41           | 1.01             | 0.20            | 2.5%       | -25.5%         | -4.7%           | 7.9%       | 2.2%         | -22.3%           | -0.6%              | 5.9%           |
| Railcar Manufacturing      |              |                |                  |                 |            |                |                 |            |              |                  |                    |                |
| Kryukiv Wagon              | KVBZ         | 11.48          | 21.60            | 10.00           | 4.4%       | -3.1%          | -6.7%           | -10.7%     | 4.1%         | 0.0%             | -2.6%              | -12.7%         |
| Luhanskteplovoz            | LTPL         | 1.50           | 1.80             | 0.85            | 0.0%       | 0.0%           | 25.0%           | 38.9%      | -0.3%        | 3.2%             | 29.1%              | 36.9%          |
| Specialized Machinery      |              | 2.00           | 2.00             | 0.00            | 0.070      | 0.070          | 20.0%           | 00.070     | 0.070        | 0.270            | 20.270             |                |
| Motor Sich                 | MSICH        | 2755           | 2939             | 1587            | -0.4%      | -1.6%          | -2.5%           | 11.0%      | -0.7%        | 1.6%             | 1.6%               | 8.9%           |
| Turboatom                  | TATM         | n/a            | n/a              | n/a             | n/a        | n/a            | n/a             | n/a        | n/a          | n/a              | n/a                | n/a            |
| Telecom                    | I/ALIVI      | ily u          | iiy u            | ii) a           | ii) ü      | 11/ 4          | ny u            | ii) a      | iiy u        | ii) ü            | ii) u              | .,, a          |
| Ukrtelecom                 | UTLM         | 0.16           | 0.20             | 0.09            | 7.0%       | 7.3%           | 13.4%           | 5.9%       | 6.7%         | 10.5%            | 17.4%              | 3.9%           |
| Oil & Gas                  | OTLIVI       | 0.10           | 0.20             | 0.03            | 1.070      | 1.570          | 13.470          | 3.570      | 0.770        | 10.570           | 17.470             | 0.070          |
| Regal Petroleum            | RPT          | 4.25           | 11.50            | 3.13            | -6.6%      | 0.1%           | -5.6%           | 36.0%      | -6.9%        | 3.3%             | -1.5%              | 34.0%          |
| JKX Oil                    | JKX          | 33.25          | 62.00            | 11.00           | -0.7%      | -6.3%          | 9.0%            | 177.1%     | -1.0%        | -3.2%            | 13.1%              | 175.0%         |
| Ukrnafta                   | UNAF         | 304.0          | 375.0            | 54.0            | -0.6%      | -0.9%          | 0.2%            | 49.5%      | -0.9%        | 2.3%             | 4.2%               | 47.5%          |
|                            | UNAF         | 304.0          | 375.0            | 54.0            | -0.0%      | -0.9%          | 0.270           | 49.5%      | -0.9%        | 2.3%             | 4.270              | 41.5%          |
| Power Utilities            | CEEN         | 9.04           | 8.70             | 3.00            | -1.0%      | -1.7%          | 3.8%            | 6.2%       | -1.3%        | 1.5%             | 7.8%               | 4.2%           |
| Centrenergo                | CEEN<br>DOEN | 8.01           |                  |                 |            |                |                 |            |              |                  |                    | -33.5%         |
| Donbasenergo Zakhidan arga |              | 22.62          | 50.16            | 11.00           | 3.9%       | -9.3%          | -24.6%          | -31.5%     | 3.6%         | -6.1%            | -20.5%             | 17.1%          |
| Zakhidenergo               | ZAEN         | 176.5          | 199.8            | 91.2            | 0.7%       | 9.1%           | 27.7%           | 19.2%      | 0.5%         | 12.2%            | 31.8%              | 11.170         |
| Consumer                   | AOT          | 4.04           | 0.40             | 4.40            | 0.00/      | 4.00/          | 0.40/           | 0.00/      | 0.00/        | 4.50/            | 0.00/              | 1.00/          |
| Agroton                    | AGT          | 1.24           | 3.19             | 1.19            | 0.0%       | -4.6%          | -6.1%           | 0.8%       | -0.3%        | -1.5%            | -2.0%              | -1.2%<br>10.5% |
| Astarta                    | AST          | 22.50          | 48.22            | 14.50           | -0.7%      | -6.3%          | -7.1%           | 12.5%      | -1.0%        | -3.1%            | -3.0%              |                |
| Avangardo                  | AVGR         | 3.05           | 10.27            | 1.83            | 0.0%       | -4.8%          | 1.5%            | 48.5%      | -0.3%        | -1.7%            | 5.6%               | 46.5%          |
| Industrial Milk Company    | IMC          | 5.46           | 10.39            | 5.00            | -0.7%      | -0.4%          | -20.9%          | -3.7%      | -1.0%        | 2.8%             | -16.8%             | -5.7%          |
| Kernel                     | KER          | 36.00          | 38.89            | 22.00           | -5.7%      | 8.1%           | 14.6%           | 26.5%      | -6.0%        | 11.3%            | 18.7%              | 24.5%          |
| Mriya Agro Holding         | MAYA         | 0.43           | 5.60             | 0.36            | 0.0%       | 0.0%           | -12.4%          | -23.7%     | -0.3%        | 3.2%             | -8.4%              | -25.7%         |
| MHPC                       | MHPC         | 9.20           | 15.77            | 8.24            | -0.4%      | 2.2%           | -8.0%           | 0.0%       | -0.7%        | 5.4%             | -3.9%              | -2.0%          |
| Milkiland                  | MLK          | 2.64           | 8.59             | 1.48            | -4.3%      | 2.7%           | -16.5%          | 78.4%      | -4.6%        | 5.9%             | -12.4%             | 76.3%          |
| Ovostar Union              | OVO          | 69.50          | 76.74            | 64.00           | 0.0%       | -0.1%          | -1.5%           | -3.5%      | -0.3%        | 3.1%             | 2.6%               | -5.5%          |
| Chemicals                  |              |                |                  |                 |            |                |                 |            |              |                  |                    |                |
| Stirol                     | STIR         | 8.80           | n/a              | n/a             | 0.0%       | 0.0%           | 3.5%            | 27.0%      | -0.3%        | 3.2%             | 7.6%               | 24.9%          |
| Banks                      |              |                |                  |                 |            |                |                 |            |              |                  |                    |                |
| Raiffeisen Bank Aval       | BAVL         | 0.101          | 0.190            | 0.086           | 0.7%       | -4.5%          | 1.6%            | 4.9%       | 0.4%         | -1.4%            | 5.7%               | 2.9%           |
| UkrSotsbank                | USCB         | 0.109          | 0.200            | 0.090           | 0.0%       | 0.5%           | -2.3%           | -16.7%     | -0.3%        | 3.6%             | 1.8%               | -18.7%         |

Source: Bloomberg

<sup>\*</sup> companies listed abroad are in traded currency







| Name                  | Ticker | N     | let Sales | 6     |       | <b>EBITDA</b> |       | EBITDA margin |            |       | Net Profit |          |       | Net   | Net Profit margin |        |  |
|-----------------------|--------|-------|-----------|-------|-------|---------------|-------|---------------|------------|-------|------------|----------|-------|-------|-------------------|--------|--|
|                       |        | 2013  | 2014E     | 2015E | 2013  | 2014E         | 2015E | 2013          | 2014E      | 2015E | 2013       | 2014E    | 2015E | 2013  | 2014E             | 2015E  |  |
| Steel                 |        |       |           |       |       |               |       |               |            |       |            |          |       |       |                   |        |  |
| Alchevsk Steel        | ALMK   | 1,729 | 700       | 346   | -62   | -83           | -124  | neg           | neg        | neg   | -214       | -1,683   | -235  | neg   | neg               | ne     |  |
| Enakievo Steel        | ENMZ   | 1,507 | 1,250     | 1,063 | -7    | 45            | 51    | neg           | 3.6%       | 4.8%  | -61        | -125     | -59   | neg   | neg               | ne     |  |
| Azovstal              | AZST   | 2,562 | 1,793     | 1,524 | -81   | 153           | 114   | neg           | 8.5%       | 7.5%  | -308       | 77       | 50    | neg   | 4.3%              | 3.3%   |  |
| Coke                  |        |       |           |       |       |               |       |               |            |       |            |          |       |       |                   |        |  |
| Avdyivka Coke         | AVDK   | 914   | 509       | 382   | 46    | -54           | -57   | 5.0%          | neg        | neg   | -6         | -75      | -82   | neg   | neg               | ne     |  |
| Yasynivsky Coking     | YASK   | 367   | 198       | 159   | 29    | -4            | -7    | 7.8%          | neg        | neg   | -3         | -13      | -13   | neg   | neg               | ne     |  |
| Iron Ore Mining       |        |       |           |       |       |               |       |               |            |       |            |          |       |       |                   |        |  |
| Centralny GOK         | CGOK   | 679   | 611       | 550   | 312   | 223           | 165   | 46.0%         | 36.5%      | 30.1% | 194        | 115      | 80    | 28.6% | 18.8%             | 14.6%  |  |
| Pivnichny GOK         | SGOK   | 1,630 | 1,467     | 1,320 | 914   | 649           | 481   | 56.1%         | 44.2%      | 36.4% | 548        | 324      | 226   | 33.7% | 22.1%             | 17.29  |  |
| Ferrexpo              | FXPO   | 1,581 | 1,388     | 1,059 | 506   | 496           | 256   | 32.0%         | 35.8%      | 24.2% | 264        | 184      | 98    | 16.7% | 13.2%             | 9.29   |  |
| Pipe Manufacturing    |        |       |           |       |       |               |       |               |            |       |            |          |       |       |                   |        |  |
| Khartsyzk Pipe        | HRTR   | 310   | 193       | 92    | 31    | 43            | 18    | 10.1%         | 22.6%      | 19.3% | 5          | 23       | 2     | 1.5%  | 11.7%             | 2.09   |  |
| Railcar Manufacturing |        |       |           |       |       |               |       |               |            |       |            |          |       |       |                   |        |  |
| Luhanskteplovoz       | LTPL   | 329   | 127       | n/a   | 36    | -2            | n/a   | 10.8%         | neg        | n/a   | 19         | -16      | n/a   | 5.9%  | neg               | n/     |  |
| Kryukiv Wagon         | KVBZ   | 462   | 133       | 67    | 50    | -6            | 5     | 10.9%         | neg        | 7.5%  | 42         | -23      | -4    | 9.0%  | neg               | ne     |  |
| Specialized Machinery |        |       |           |       |       |               |       |               |            |       |            |          |       |       |                   |        |  |
| Turboatom             | TATM   | 214   | 164       | 114   | 90    | 73            | 36    | 42.1%         | 44.6%      | 32.0% | 72         | 53       | 23    | 33.5% | 32.4%             | 20.09  |  |
| Motor Sich            | MSICH  | 1,053 | 879       | 460   | 384   | 342           | 158   | 36.5%         | 38.9%      | 34.3% | 162        | 129      | 67    | 15.4% | 14.7%             | 14.59  |  |
| Telecom               |        |       |           |       |       |               |       |               |            |       |            |          |       |       |                   |        |  |
| Ukrtelecom            | UTLM   | 791   | 368       | 224   | 190   | 105           | 71    | 24.0%         | 28.5%      | 31.5% | 17         | 16       | 8     | 2.2%  | 4.3%              | 3.59   |  |
| Oil & Gas             |        |       |           |       |       |               |       |               |            |       |            |          |       |       |                   |        |  |
| Ukrnafta              | UNAF   | 2,589 | 1,808     | 1,059 | 286   | 160           | 132   | 11.1%         | 8.8%       | 12.5% | 23         | 32       | 12    | 0.9%  | 1.8%              | 1.19   |  |
| Regal Petroleum       | RPT    | 37    | 38        | 35    | -146  | 16            | 13    | neg           | 42.1%      | 37.1% | -127       | 2        | 3     | neg   | 5.3%              | 8.69   |  |
| JKX Oil               | JKX    | 181   | 146       | 150   | 66    | 12            | 70    | 36.7%         | 7.9%       | 46.7% | 7          | -80      | 5     | 3.6%  | neg               | 3.39   |  |
| Electric Utilities    |        |       |           |       |       |               |       |               |            |       |            |          |       |       |                   |        |  |
| Centrenergo           | CEEN   | 915   | 544       | 605   | 94    | 33            | 23    | 10.3%         | 6.1%       | 3.7%  | 60         | 5        | 9     | 6.5%  | 1.0%              | 1.59   |  |
| Donbasenergo          | DOEN   | 656   | 458       | 196   | 72    | 20            | 4     | 11.0%         | 4.4%       | 1.8%  | 65         | 8        | 2     | 9.9%  | 1.8%              | 1.29   |  |
| Consumer              |        |       |           |       |       |               |       |               |            |       |            |          |       |       |                   |        |  |
| МНР                   | MHPC   | 1,496 | 1,524     | 1,544 | 391   | 537           | 550   | 26.1%         | 35.2%      | 35.6% | 162        | -337     | 97    | 10.8% | neg               | 6.39   |  |
| Kernel                | KER    | 2,797 | 2,393     | 2,250 | 291   | 223           | 325   | 10.4%         | 9.3%       | 14.4% | 105        | -107     | 125   | 3.8%  | neg               | 5.69   |  |
| Astarta               | AST    | 491   | 465       | 396   | 91    | 154           | 123   | 15.5%         | 27.5%      | 25.9% | 34         | -54      | 30    | 5.8%  | neg               | 6.39   |  |
| Avangardco            | AVGR   | 661   | 443       | 405   | 301   | 130           | 109   | 45.6%         | 29.3%      | 26.9% | 238        | -11      | 32    | 36.0% | neg               | 7.99   |  |
| Ovostar               | OVO    | 81    | 75        | 79    | 36    | 32            | 25    | 43.7%         | 43.1%      | 31.6% | 31         | 30       | 24    | 38.0% | 40.0%             | 30.79  |  |
| Banks                 |        |       | Total Ass |       |       | Total Equ     |       |               | Total Inco |       |            | Net Prof |       |       | ırn on Eq         | uity   |  |
| Raiffeisen Bank Aval  | BAVL   | 5,333 | 2,869     | 2,765 | 888   | 390           | 376   | 723           | 327        | 276   | 90         | -87      | -41   | 10.1% | -22.2%            | -10.99 |  |
| Ukrsotsbank           | USCB   | 5,283 | 1,595     | 2,588 | 1,064 | 303           | 447   | 115           | 130        | 115   | 1          | -19      | -18   | 0.1%  | -6.1%             | -3.99  |  |

Source: Eavex Research







|                             | Ticker       | MCap   | Free   | Float  | EV       |             | P/E        |            |      | V/EBITE |       |      | V/Sales |       |       | /Outp   |       | Units                |
|-----------------------------|--------------|--------|--------|--------|----------|-------------|------------|------------|------|---------|-------|------|---------|-------|-------|---------|-------|----------------------|
|                             | 1101101      | USD mn | % l    | JSD mn | USD mn   | 2013        | 2014E      | 2015E      | 2013 | 2014E   | 2015E | 2013 | 2014E   | 2015E | 20132 | 2014E : | 2015E | - Cilito             |
| Steel                       | AL MAL       | 4.4    | 2.00/  | 4      | 0.007    |             |            |            |      |         |       | 4.5  | 2.0     | 7.0   | 670   | 600     | 615   | \$/tonne             |
| Alchevsk Steel              | ALMK         | 14     | 3.9%   | 1      |          | neg         | neg        | neg        | neg  | neg     | neg   | 1.5  | 3.8     | 7.6   | 679   | 633     | 2     |                      |
| Yenakievo Steel             | ENMZ<br>AZST | 140    | 3.0%   | 4      | 6<br>134 | neg         | neg<br>1.8 | neg<br>2.8 | neg  | 0.1     | 0.1   | 0.0  | 0.0     | 0.0   | 29    | 30      | 29    | \$/tonne<br>\$/tonne |
| Azovstal                    | AZSI         | 140    | 3.0%   | 4      | 134      | neg         | 1.0        | 2.0        | neg  | 0.9     | 1.2   | 0.1  | 0.1     | 0.1   | 29    | 30      | 29    | Ψ/ tornie            |
| Coke<br>Avdyivka Coke       | AVDK         | 12     | 6.8%   | 1      | -28      | nod         | nod        | nod        | -0.6 | nod     | nod   | 0.0  | -0.1    | -0.1  | -6    | -7      | -7    | \$/tonne             |
| Yasynivsky Coke             | YASK         | 4      | 9.0%   | 0      | -28<br>5 | neg         | neg        | neg        | 0.2  | neg     | neg   | 0.0  | 0.0     | 0.0   | 0.2   |         | neg   | \$/tonne             |
|                             | IASK         | 4      | 9.0%   | U      | 5        | neg         | neg        | neg        | 0.2  | neg     | neg   | 0.0  | 0.0     | 0.0   | 0.2   | neg     | neg   | φ/ τοπτο             |
| Iron Ore Mining             | CGOK         | 464    | 0.3%   | 1      | 463      | 2.4         | 4.0        | 5.8        | 1.5  | 2.1     | 2.8   | 0.7  | 0.8     | 0.8   |       |         |       |                      |
| Centralny GOK Pivnichny GOK | SGOK         | 823    | 0.3%   | 3      | 817      | 1.5         | 2.5        | 3.6        | 0.9  | 1.3     | 1.7   | 0.7  | 0.6     | 0.6   |       |         |       |                      |
| Ferrexpo                    | FXPO         | 522    | 24.0%  | 125    | 1,200    | 2.0         | 2.8        | 5.3        | 2.4  | 2.4     | 4.7   | 0.8  | 0.0     | 1.1   |       |         |       |                      |
| Pipe Manufacturing          | TAIO         | 522    | 24.070 | 125    | 1,200    | 2.0         | 2.0        | 3.5        | 2.7  | 2.7     | 7.1   | 0.0  | 0.5     | 1.1   |       |         |       |                      |
| Khartsyzk Pipe              | HRTR         | 46     | 2.0%   | 1      | 92       | 9.8         | 2.0        | 24.9       | 2.9  | 2.1     | 5.2   | 0.3  | 0.5     | 1.0   | 145   | 241     | 229   | \$/tonne             |
| Railcar Manufacturing       | TIIVIIV      | 40     | 2.070  | _      | 52       | 3.0         | 2.0        | 24.0       | 2.5  | 2.1     | 5.2   | 0.5  | 0.5     | 1.0   | 140   | 241     |       | 4) (011110           |
| LuganskTeplovoz             | LTPL         | 14     | 24.0%  | 3      | 51       | 0.7         | neg        | n/a        | 1.4  | neg     | n/a   | 0.2  | 0.4     | n/a   |       |         |       |                      |
| Krukiv Wagon                | KVBZ         | 57     | 5.0%   | 3      | 51       | 1.4         | neg        | neg        | 1.0  | neg     | 10.1  | 0.1  | 0.4     | 0.8   |       |         |       |                      |
| Specialized Machinery       | 11102        | 01     | 0.070  | J      | 01       | <u></u> , ¬ | neg        | 1108       | 1.0  | 1105    | 10.1  | 0.1  | 0.4     | 0.0   |       |         |       |                      |
| Turboatom                   | TATM         | 64     | 5.8%   | 4      | 33       | 0.9         | 1.2        | 2.8        | 0.4  | 0.5     | 0.9   | 0.2  | 0.2     | 0.3   |       |         |       |                      |
| Motor Sich                  | MSICH        | 246    | 24.0%  | 59     | 232      | 1.5         | 1.9        | 3.7        | 0.6  | 0.7     | 1.5   | 0.2  | 0.3     | 0.5   |       |         |       |                      |
| Telecom                     | o.o.i        | 2.0    | 2075   |        | 202      | 2.0         | 2.0        | 0          | 0.0  | 0       | 2.0   | 0.2  | 0.0     | 0.0   |       |         |       |                      |
| Ukrtelecom                  | UTLM         | 130    | 7.2%   | 9      | 214      | 7.6         | 8.2        | 16.3       | 1.1  | 2.0     | 3.0   | 0.3  | 0.6     | 1.0   |       |         |       |                      |
| Oil & Gas                   |              |        |        |        |          |             |            |            |      |         |       |      |         |       |       |         |       |                      |
| Ukrnafta                    | UNAF         | 710    | 3.0%   | 21     | 706      | >30         | 22.4       | >30        | 2.5  | 4.4     | 5.3   | 0.3  | 0.4     | 0.7   | n/a   | n/a     | n/a   | \$/boe               |
| Regal Petroleum             | RPT          | 20     | 21.6%  | 4      | -5       | neg         | 10.1       | 6.8        | neg  | -0.3    | -0.4  | -0.1 | -0.1    | -0.1  | n/a   | n/a     | n/a   | \$/boe               |
| JKX Oil & Gas               | JKX          | 85     | 50.4%  | 43     | 193      | 13.1        | neg        | 17.0       | 2.9  | 16.7    | 2.8   | 1.1  | 1.3     | 1.3   | 35    | 26      | 26    | \$/boe               |
| Electric Utilities          |              |        |        |        |          |             | .0         |            |      |         |       |      |         |       |       |         |       |                      |
| CentrEnergo                 | CEEN         | 127    | 21.7%  | 28     | 114      | 2.1         | 23.6       | 14.4       | 1.2  | 3.4     | 5.0   | 0.1  | 0.2     | 0.2   | 6     | 8       | 7     | \$/MWh               |
| DonbasEnergo                | DOEN         | 23     | 14.2%  | 3      | 53       | 0.4         | 2.7        | 9.7        | 0.7  | 2.7     | 14.8  | 0.1  | 0.1     | 0.3   | 6     | 7       | 7     | \$/MWh               |
| Consumer                    |              |        |        |        |          |             |            |            |      |         |       |      |         |       |       |         |       |                      |
| MHP                         | MHPC         | 972    | 34.1%  | 331    | 2,052    | 6.0         | neg        | 10.0       | 5.2  | 3.8     | 3.7   | 1.4  | 1.3     | 1.3   |       |         |       |                      |
| Kernel                      | KER          | 765    | 61.8%  | 473    | 1,500    | 7.3         | neg        | 6.1        | 5.2  | 6.7     | 4.6   | 0.5  | 0.6     | 0.7   |       |         |       |                      |
| Astarta                     | AST          | 150    | 37.0%  | 56     | 396      | 4.4         | neg        | 5.0        | 4.4  | 2.6     | 3.2   | 0.8  | 0.9     | 1.0   |       |         |       |                      |
| Avangardco                  | AVGR         | 194    | 22.5%  | 44     | 382      | 0.8         | neg        | 6.1        | 1.3  | 2.9     | 3.5   | 0.6  | 0.9     | 0.9   | 86    | 66      | 62 5  | \$/mneggs            |
| Ovostar                     | OVO          | 111    | 25.0%  | 28     | 118      | 3.6         | 3.7        | 4.6        | 3.3  | 3.7     | 4.7   | 1.5  | 1.6     | 1.5   | n/a   | n/a     | n/a   |                      |
| Banks                       |              |        |        |        |          |             | P/E        |            |      | P/Book  |       |      | P/Asset |       |       |         |       |                      |
| Raiffeisen Bank Aval        | BAVL         | 130    | 3.5%   | 5      |          | 1.5         | neg        | neg        | 0.1  | 0.3     | 0.3   | 0.02 | 0.05    | 0.05  |       |         |       |                      |
| Ukrsotsbank                 | USCB         | 86     | 1.0%   | 1      |          | >30         | >30        | >30        | 0.1  | 0.3     | 0.2   | 0.01 | 0.05    | 0.03  |       |         |       |                      |

Source: Eavex Research



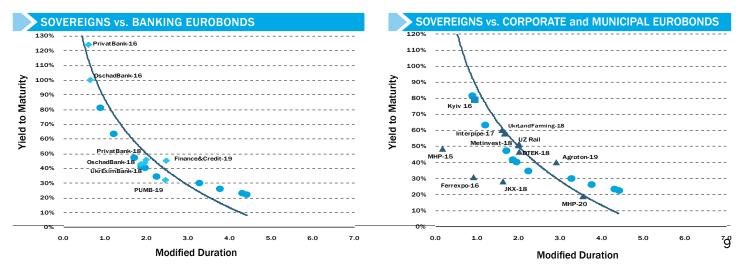
March 25, 2015



| Issue                        | Price<br>(Bid) | Price<br>(Ask) | YTM<br>(Bid) | YTM<br>(Ask) | Price chg.<br>(YTD) | Modified<br>Duration | Coupon | Coupon<br>Period | Maturity<br>Date | Volume<br>USD mn | Ratings <sup>1</sup> |
|------------------------------|----------------|----------------|--------------|--------------|---------------------|----------------------|--------|------------------|------------------|------------------|----------------------|
| Sovereign Eurobonds          |                |                |              |              |                     |                      |        |                  |                  |                  |                      |
| Ukraine, 2015 (EUR)          | 45.0           | 47.0           | 222.0%       | 205.6%       | -32.3%              | 0.3                  | 4.95%  | Α                | 13 Oct 2015      | 600*             | Caa3/CCC-/C          |
| Ukraine, 2015                | 43.5           | 44.9           | 284.3%       | 269.5%       | -37.2%              | 0.2                  | 6.875% | S/A              | 23 Sept 2015     | 500              | Caa3/CCC-/C          |
| Jkraine, 2016                | 37.6           | 39.0           | 82.2%        | 78.8%        | -38.9%              | 1.0                  | 6.58%  | S/A              | 21 Nov 2016      | 1,000            | Caa3/CCC-/C          |
| Ukraine, 2016-2              | 38.2           | 39.7           | 108.7%       | 103.9%       | -39.9%              | 0.7                  | 6.25%  | S/A              | 17 Jun 2016      | 1,250            | Caa3/CCC-/C          |
| Ukraine, 2017                | 39.5           | 40.8           | 50.9%        | 49.2%        | -36.5%              | 1.8                  | 6.75%  | S/A              | 14 Nov 2017      | 700              | Caa3/CCC-/C          |
| Ukraine, 2017-2              | 41.3           | 42.5           | 58.4%        | 56.5%        | -32.7%              | 1.5                  | 9.25%  | S/A              | 24 Jul 2017      | 2,000            | Caa3/CCC-/C          |
| Jkraine, 2017 Infr. projects | 38.5           | 41.0           | 55.8%        | 52.3%        | -35.4%              | 1.7                  | 8.375% | S/A              | 3 Nov 2017       | 568              | Caa3//               |
| Ukraine, 2018 Infr. projects | 38.0           | 40.0           | 48.0%        | 45.5%        | -35.0%              | 2.0                  | 7.40%  | S/A              | 20 Apr 2018      | 690              | Caa3//               |
| Ukraine, 2020                | 41.3           | 43.3           | 30.4%        | 29.0%        | -29.1%              | 3.5                  | 7.75%  | S/A              | 23 Sept 2020     | 1,500            | Caa3/CCC-/C          |
| Ukraine, 2021                | 39.0           | 40.5           | 31.1%        | 30.0%        | -33.1%              | 3.5                  | 7.95%  | S/A              | 23 Feb 2021      | 1,500            | Caa3/CCC-/C          |
| Ukraine, 2022                | 38.5           | 40.0           | 27.3%        | 26.4%        | -34.8%              | 3.9                  | 7.80%  | S/A              | 28 Nov 2022      | 1,250            | Caa3/CCC-/C          |
| Ukraine, 2023                | 40.3           | 41.5           | 25.1%        | 24.4%        | -31.1%              | 4.1                  | 7.50%  | S/A              | 17 Apr 2023      | 1,250            | Caa3/CCC-/C          |
| Corporate Eurobonds          |                |                |              |              |                     |                      |        |                  |                  |                  |                      |
| Agroton, 2019                | 30.1           | 35.1           | 44.3%        | 38.7%        | -3.5%               | 2.8                  | 8.00%  | S/A              | 14 Jul 2019      | 50               | //RD                 |
| MHP, 2015                    | 92.0           | 96.0           | 104.2%       | 55.1%        | -1.1%               | 0.1                  | 10.25% | S/A              | 29 Apr 2015      | 235              | Caa2//CC             |
| MHP, 2020                    | 64.7           | 66.2           | 19.6%        | 19.0%        | -5.2%               | 3.4                  | 8.25%  | S/A              | 2 Apr 2020       | 750              | /CCC-/CC             |
| Avangardco, 2015             | 44.5           | 44.5           | 188.3%       | 188.3%       | -31.1%              | 0.3                  | 10.00% | S/A              | 29 Oct 2015      | 200              | /CCC-/               |
| JkrLandFarming, 2018         | 37.0           | 39.0           | 57.1%        | 54.2%        | -18.3%              | 1.9                  | 10.88% | S/A              | 26 Mar 2018      | 500              | /CCC-/CC             |
| Mriya, 2016                  | 11.0           | 14.0           | 461.5%       | 382.0%       | -3.8%               | 0.3                  | 10.95% | S/A              | 30 Mar 2016      | 72               | /SD/RD               |
| Mriya, 2018                  | 11.0           | 14.0           | 131.0%       | 111.9%       | -3.8%               | 1.3                  | 9.45%  | S/A              | 19 Apr 2018      | 400              | /SD/RD               |
| DTEK, 2015                   | 60.0           | 65.0           | 741.4%       | 603.4%       | -19.4%              | 0.1                  | 9.50%  | S/A              | 28 Apr 2015      | 200              | Caa2//C              |
| OTEK, 2018                   | 34.0           | 37.0           | 55.1%        | 50.8%        | -22.0%              | 1.8                  | 7.88%  | S/A              | 4 Apr 2018       | 750              | Caa2//C              |
| Metinvest, 2015              | 63.0           | 68.0           | 392.7%       | 317.8%       | -18.6%              | 0.1                  | 10.25% | S/A              | 20 May 2015      | 114              | Caa2//CC             |
| Metinvest, 2017              | 48.0           | 53.0           | 46.3%        | 41.0%        | -27.9%              | 1.2                  | 10.50% | S/A              | 28 Nov 2017      | 290              | //CC                 |
| Metinvest, 2018              | 40.0           | 42.0           | 50.2%        | 47.8%        | -26.1%              | 2.0                  | 8.75%  | S/A              | 14 Feb 2018      | 750              | Caa2//CC             |
| Ferrexpo, 2016               | 78.0           | 81.0           | 35.1%        | 30.7%        | 3.2%                | 0.8                  | 7.88%  | S/A              | 07 Apr 2016      | 286              | Caa2/CCC/C           |
| Ferrexpo, 2019               | 75.3           | 77.3           | 19.5%        | 18.6%        | n/a                 | 2.6                  | 10.38% | S/A              | 07 Apr 2019      | 161              | Caa2/CCC/C           |
| UZ Rail, 2018                | 38.0           | 40.0           | 50.9%        | 48.4%        | -26.5%              | 1.9                  | 9.50%  | S/A              | 21 May 2018      | 500              | /CCC-/CC             |
| Interepipe, 2017             | 15.0           | 25.0           | 148.5%       | 99.7%        | -63.6%              | 1.2                  | 10.25% | S/A              | 2 Aug 2017       | 200              | //                   |
| JKX Oil&Gas, 2018            | 69.9           | 73.6           | 27.7%        | 25.4%        | 23.3%               | 1.6                  | 8.00%  | S/A              | 19 Feb 2018      | 40               |                      |
| Bank Eurobonds               |                |                |              |              |                     |                      |        |                  |                  |                  |                      |
| Fin&Credit Bank, 2019        | 10.0           | 15.0           | 119.9%       | 91.2%        | -84.9%              | 1.4                  | 9.25%  | S/A              | 25 Jan 2019      | 100              | Caa3//               |
| PUMB, 2018                   | 43.0           | 48.0           | 41.6%        | 37.2%        | -32.6%              | 2.2                  | 11.00% | Q                | 31 Dec 2018      | 275              | Caa3//               |
| Nadra Bank, 2018             | 8.0            | 13.0           | n/a          | n/a          | -16.0%              | 0.2                  | 6.25%  | Α                | 31 Jul 2018      | 60               | //                   |
| PrivatBank, 2015             | 45.0           | 48.0           | 269.0%       | 239.5%       | -25.6%              | 0.2                  | 9.38%  | S/A              | 23 Sept 2015     | 200              | Caa3//               |
| PrivatBank, 2016             | 21.0           | 31.0           | 308.6%       | 206.0%       | -47.5%              | 0.4                  | 8.75%  | S/A              | 9 Feb 2016       | 150              | Caa3//               |
| PrivatBank, 2018             | 39.0           | 49.0           | 55.1%        | 43.1%        | -33.9%              | 1.9                  | 10.88% | S/A              | 28 Feb 2018      | 175              | Caa3//CC             |
| JkrEximBank, 2015            | 52.9           | 52.9           | 986.2%       | 986.2%       | -31.8%              | 0.0                  | 8.38%  | S/A              | 27 Apr 2015      | 750              | Caa3//CC             |
| JkrEximBank, 2016            | 20.0           | 30.0           | 323.1%       | 213.8%       | -47.4%              | 0.4                  | 5.79%  | S/A              | 2 Sept 2016      | 125              | Caa3//CC             |
| JkrEximBank, 2018            | 41.5           | 43.5           | 49.1%        | 46.7%        | -24.8%              | 1.9                  | 8.75%  | S/A              | 22 Jan 2018      | 500              | Caa3//CC             |
| /AB Bank, 2019               | 1.0            | 5.0            | n/a          | n/a          | -53.8%              | n/a                  | 9.00%  | Q                | 14 Jun 2019      | 88               | //WD                 |
| Oschadbank, 2016             | 41.0           | 45.0           | 135.3%       | 119.0%       | -26.5%              | 0.6                  | 8.25%  | S/A              | 10 Mar 2016      | 700              | Caa3//CC             |
| Oschadbank, 2018             | 40.0           | 43.0           | 49.3%        | 45.7%        | -26.5%              | 2.0                  | 8.88%  | S/A              | 20 Mar 2018      | 500              | Caa3//CC             |
| Municipal Eurobonds          |                |                |              |              |                     |                      |        |                  |                  |                  |                      |
| City of Kyiv, 2015           | 40.8           | 42.1           | 232.7%       | 221.2%       | -42.9%              | 0.3                  | 8.00%  | S/A              | 6 Nov 2015       | 250              | Caa3/CCC/            |
| City of Kyiv, 2016           | 40.0           | 45.0           | 102.8%       | 88.7%        | -39.9%              | 0.8                  | 9.375% | S/A              | 30 Jun 2016      | 300              | Caa3/CCC,            |

<sup>1</sup>Moody's/S&P/Fitch; \* EUR

Source: Bloomberg, Chonds, Eavex Research





| UKRAINIAN             | DOMESTIC BON | NDS         |           |           |                      |        |                  |               |                  |  |
|-----------------------|--------------|-------------|-----------|-----------|----------------------|--------|------------------|---------------|------------------|--|
| Issue                 | Price (Bid)  | Price (Ask) | YTM (Bid) | YTM (Ask) | Modified<br>Duration | Coupon | Coupon<br>Period | Maturity Date | Volume<br>mn UAH |  |
| UAH denominated Bonds |              |             |           |           |                      |        |                  |               |                  |  |
| UA4000141592          |              |             |           |           | n/a                  | 14.30% | S/A              | 20 May 2015   | n/a              |  |
| UA4000142665          |              |             | 30%       | 26%       | n/a                  | 14.30% | S/A              | 24 May 2017   | n/a              |  |
| USD denominated       | d Bonds      |             |           |           |                      |        |                  |               |                  |  |
| UA4000142699          | n/a          | n/a         | 14.0%     | 8.0%      | n/a                  | 9.45%  | S/A              | 22 Apr 2015   | n/a              |  |
| UA4000141071          | n/a          | n/a         | 14.0%     | 8.0%      | n/a                  | 9.45%  | S/A              | 27 May 2015   | n/a              |  |
| UA4000142673          | n/a          | n/a         | 14.0%     | 8.0%      | n/a                  | 4.50%  | S/A              | 17 Jun 2015   | n/a              |  |
| EUR denominated       | l Bonds      |             |           |           |                      |        |                  |               |                  |  |
| UA4000142681          | n/a          | n/a         | 12.5%     | 8.0%      | n/a                  | 4.80%  | S/A              | 6 May 2015    | n/a              |  |
| VAT Bonds             |              |             |           |           |                      |        |                  |               |                  |  |
| UA4000082531          |              |             | 30%       | 26%       | n/a                  | 5.50%  | S/A              | 21 Aug 2015   | n/a              |  |
| UA4000082622          |              |             | 30%       | 26%       | n/a                  | 5.50%  | S/A              | 24 Aug 2015   | n/a              |  |
| UA4000083059          |              |             | 30%       | 26%       | n/a                  | 5.50%  | S/A              | 25 Aug 2015   | n/a              |  |
| UA4000185151          |              |             | 30%       | 26%       | 1.9                  | 9.50%  | S/A              | 8 Jul 2019    | 3,577            |  |
| UA4000185557          |              |             | 30%       | 26%       | 1.9                  | 9.50%  | S/A              | 22 Jul 2019   | 2,171            |  |
| UA4000186159          |              |             | 30%       | 26%       | 1.9                  | 9.50%  | S/A              | 20 Aug 2019   | 955              |  |

Source: Bloomberg, Chonds, Eavex Research



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