

### **Market Update**

#### Equity

Locally-listed Ukrainian stocks retreated on Thursday (May 7) as an absence of any strong drivers in the market discouraged traders from taking long positions. The rather inactive session finished with a 0.7% decline in the UX index to 1070 points. Among the 10 index components, only Azovstal (AZST) and Alchevsk Steel (ALMK) were in the black, rising by 0.4% and 1.8% respectively. Meanwhile, CentrEnergo (CEEN) and DonbasEnergo (DOEN) both inched down by 0.2% while Raiffeisen Aval (BAVL) fell 1.2% to 9.76 kopecks per share. London-listed Ferrexpo (FXPO) slid 2.6% to GBp 75.00 as it continued to correct after touching a 5-month high near GBp 80 last week, while MHP (MHPC) picked up 1.7% to end at USD 11.70. Warsaw-listed Ukrainian names were generally higher on Thursday with Astarta (AST) and Kernel (KER) adding 0.9% and 0.3% respectively; Ovostar (OVO) also gained 1.3%, closing at PLN 75.50.

#### **Fixed Income**

Ukrainian sovereigns finished higher on Thursday with Ukraine-23s up by 1.0p.p. to 47.8/49.8 (21.8%/21.2%). Corporate names were mixed. MHP-20s inched up by 0.1p.p. closing at 81.5/82.7 (13.5%/13.1%) while Metinvest-15s declined by 3.0p.p to 66.0/69.0 before the group provided improved restructuring conditions for its bondholders after market close. Notably, Metinvest increased the share of principal to be repaid from 10% to 25% if the restructure is passed.

| Volume Leaders        | Ticker | Last, UAH | 1D ch | Volume,<br>UAH mn | Number of Trades |
|-----------------------|--------|-----------|-------|-------------------|------------------|
| Centrenergo           | CEEN   | 8.33      | -0.1% | 0.6               | 16               |
| Motor Sich            | MSICH  | 2733.00   | -0.6% | 0.1               | 20               |
| Ukrnafta              | UNAF   | 271.90    | -0.5% | 0.3               | 52               |
| <b>Growth Leaders</b> |        |           |       |                   |                  |
| Avdyivka Coke         | AVDK   | 1.39      | -0.7% | 0.00              | 12               |
| Yenakievo Steel       | ENMZ   | 18.04     | -0.4% | 0.00              | 6                |
| Centrenergo           | CEEN   | 8.33      | -0.1% | 0.61              | 16               |
| Loss Leaders          |        |           |       |                   |                  |
| Alchevsk Steel        | ALMK   | 0.02      | 1.8%  | 0.016             | 29               |
| Kryukiv Wagon         | KVBZ   | 11.31     | -2.3% | 0.006             | 5                |
| Azovstal              | AZST   | 0.86      | 0.4%  | 0.034             | 14               |

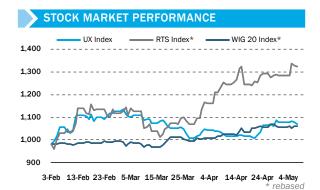
## **Highlights**

#### **POLITICS AND ECONOMICS**

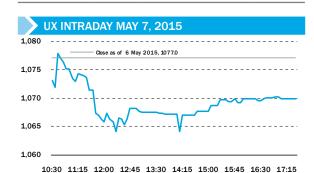
> Tagliavini: Minsk Peace Talks Move to "Sub-Group" Stage

#### **FIXED INCOME**

- OschadBank Net Profit Drops 44% YoY to UAH 87mn in 1Q15
- > UkrlandFarming's EBITDA Halves in FY14



| MARKE   | T INDEXES |       |       |       |
|---------|-----------|-------|-------|-------|
|         | Last      | 1D ch | 1M ch | YTD   |
| UX      | 1070.0    | -0.7% | 3.2%  | 3.5%  |
| RTS     | 1060.7    | -0.5% | 9.2%  | 34.1% |
| WIG20   | 2522.6    | -0.1% | 5.1%  | 8.9%  |
| MSCI EM | 1024.9    | -1.5% | 1.9%  | 7.2%  |
| S&P 500 | 2088.0    | 0.4%  | 0.4%  | 1.4%  |



| FIXED IN      | COME   |           |             |           |
|---------------|--------|-----------|-------------|-----------|
|               | Last   | 1D ch     | 1M ch       | YTD       |
| EMBI+Global   | 370.6  | 2.1%      | -6.8%       | -8.3%     |
| CDS 5Y UKR    | 3884.6 | 0.0%      | -11.4%      | 73.9%     |
| Ukraine-17    | 44.1%  | -0.6 p.p. | -5.3 p.p.   | 18.4 p.p. |
| Ferrexpo-16   | 28.4%  | 0.2 p.p.  | -3.1 p.p.   | -2.9 p.p. |
| Ukraine-23    | 21.1%  | -0.4 p.p. | -2.6 p.p.   | 13.6 p.p. |
| Privatbank-16 | 166.1% | 2.3 p.p.  | -107.7 p.p. | 80.7 p.p. |

| CURF | RENCY     |       |        |       |
|------|-----------|-------|--------|-------|
|      | Last, UAH | 1D ch | 1M ch  | YTD   |
| USD  | 20.52     | -2.3% | -12.5% | 29.7% |
| EUR  | 23.12     | -3.0% | -9.7%  | 20.8% |
| RUB  | 0.41      | -1.6% | -3.7%  | 48.5% |

| COMMOD        | ITIES  |       |       |        |
|---------------|--------|-------|-------|--------|
|               | Last   | 1D ch | 1M ch | YTD    |
| Wheat, USD/t* | 200.5  | 0.0%  | -3.2% | -18.5% |
| Steel, USD/t  | 362.5  | 0.0%  | -4.6% | -19.4% |
| Oil, USD/bbl  | 65.5   | -3.3% | 10.5% | 10.7%  |
| Gold, USD/oz  | 1184.5 | -0.6% | -2.5% | 0.0%   |

<sup>\*</sup>Ukraine FOB

Source: Bloomberg, Ukrainian Exchange



### **Politics and Economics**

May 8, 2015

## Tagliavini: Minsk Peace Talks Move to "Sub-Group" Stage

by Will Ritter w.ritter@eavex.com.ua

#### **NEWS**

The top negotiators from a meeting of the "Trilateral Contact Group" in Minsk on Wednesday (May 6) said that they had made important progress toward implementing February's Donbass peace plan, the pro-Russian SputnikNews online outlet reported. The Contact Group is composed of Ukraine, Russia, and the OSCE; representatives from the separatist Donetsk and Lugansk People's Republics (DNR and LNR) were also at Wednesday's negotiations. OSCE negotiator Heidi Tagliavini said that "sub-group" talks on four separate issues - security, politics, refugees, and trade – will take place later this month. SputnikNews quoted the DNR representative in Minsk, Dennis Pushilin, as saying, "The most important thing is that the dialogue between Ukraine and [DNR/LNR] has begun. We hope that it will continue and all decisions will be made on the basis of compromise." Pushilin said the political sub-group will discuss the highly contentious issue of how local elections in the separatist territories will be conducted.

#### **COMMENTARY**

The so-called "sub-group" talks effectively involve direct negotiations between Kyiv and the DNR/LNR, which is why we suppose the news from Wednesday's Minsk talks has been downplayed in the Ukrainian media and also the Western media; Kyiv's official position ever since the start of the Donbass conflict has been that it will not negotiate with the separatists. Although there are actors in Ukrainian politics who are still pushing for a new offensive against DNR/LNR-held territory, we believe that the majority of Ukraine's political elite is coming around to the view that the best option for Kyiv in the medium term is a "frozen conflict". This scenario will relieve Ukraine of most financial responsibility for the breakaway regions and prevent pro-Russian DNR/LNR elected representatives from taking part in Ukrainian national governing institutions. Likewise, although there are radical elements in Russian politics favoring renewed war against Ukraine, the Russian economy has clearly benefited from the relaxing of tensions since the February ceasefire, and the Putin regime would certainly have to think twice about giving up the recent economic gains for the sake of a new separatist offensive. That said, the May 9 Victory Day holiday is always a time of heightened Russian-Ukrainian tensions, and we would therefore not be surprised to see some type of provocations occurring this holiday weekend instigated by hard-liners on either/both sides of the conflict.



May 8, 2015



# OschadBank Net Profit Drops 44% YoY to UAH 87mn in 1Q15

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

#### **NEWS**

State-owned OschadBank, Ukraine's second-largest financial institution by assets, reported that its net profit dropped by 44% YoY to UAH 87mn (USD 3.8mn) in 1Q15, according to financials released earlier this month. The bank's gross interest income rose by 46% YoY to UAH 4.8bn while net interest income grew by 18% YoY to UAH 1.8bn in the period. Provisions for loan impairment surged by 6.0x to UAH 4.6bn in 1Q15. Administrative expenses edged up by 7.0% YoY to UAH 976mn. On the balance sheet side, Oschad's loan portfolio is up by 15% YtD to UAH 79.8bn and its securities portfolio amounted to UAH 41.8bn as of 31 Mar 2015. The bank's total assets have risen by 18% YtD to UAH 151bn (USD 6.4bn).

#### **COMMENTARY**

We are surprised that Oschad managed to post a net profit in 1Q15 amid the steep devaluation of the hryvnia and its huge increase in loan loss provision charges in the period. According to the bank's financial report, its nonperforming loans (NPLs) totaled UAH 27bn, with provisions for them already having been made in the amount of UAH 25bn. OschadBank's capital adequacy ratio stood at a reasonably healthy 15.9% (compared to some other large domestic banks), with the mandated minimum being 10%. The current liquidity ratio for the bank at the end of 1Q15 was 97% vs. the 40% mandated minimum.

In our view, Oschad remains in fairly good shape despite the poor macroeconomic situation in Ukraine.

OschadBank-2018 Eurobonds are quoted at 67.0/70.0 (25.9%/23.9%), while OschadBank-16s bonds are trading at mid-price of 68.8 on the dollar, reflecting an expected maturity extension.



May 8, 2015



## UkrlandFarming's EBITDA Halves in FY14

by Ivan Dzvinka

#### **NEWS**

UkrLandFarming (ULF), Ukraine's largest agricultural holding in terms of land under operation, reported a 25% YoY drop in its revenue to USD 1.56bn for FY14, according to the company's financial results unveiled on Thursday (May 7). A decline in gross profit by 36% to USD 508mn along with a 3.3x surge in "other operating costs" to USD 131mn pushed EBITDA 48% lower YoY to USD 434mn. The bottom line turned negative to USD -262mn in FY14 from USD +754mn in 2013, against the background of a USD 323mn loss from forex translation. Gross operating cash flow (before changes in working capital) declined by 28% to USD 553mn. Meanwhile, net operating cash flow plummeted by 88% YoY to USD 100mn in FY14, adversely affected by expansion in working capital of USD 370mn. The company's total debt remained flat YoY at USD 1.68bn, while its cash position dropped by USD 103mn to USD 195mn as of end-2014. The total debt/EBITDA ratio surged to 3.86x at end-2014 from 1.99x a year earlier.

As of end-2014, ULF had planted 187,600 hectares of its land vs. 155,800 ha at end-2013. A large majority of the mentioned land is under winter wheat (136,300 ha).

#### COMMENTARY

UkrLandFarming breached its Eurobond Debt/EBITDA covenant of 3.0x in late 2014, which resulted in a lack of access to any new loans (except in cases of refinancing existing debt). Also, as of end-2014, ULF breached certain unspecified covenants of its Sberbank and Deutsche Bank syndicated loans, the report admitted. The company claimed that it has a "positive understanding" with the two banks" and that "the breaches should be remedied".

The main reasons for the halving of the group's EBITDA in 2014 were a USD 160mn decline in the EBITDA of egg producer Avangard (ULF's 77%-owned subsidiary) and a USD 200mn decline in crop & seed EBITDA to 258mn. Interestingly, only about 25% of that drop was directly related to fundamentals of the crop-related segment (i.e. lower prices) while some 50% and 25% (USD 96mn and USD 49mn) of the drop were attributed to the sharp drop in revaluation of biological assets and surge in other operating expenses, respectively. Another concern for us is ULF's high volatility in working capital, which improved last year by USD 170mn before deteriorating by USD 370mn this year.



## **Recommendations**

May 8, 2015

|        |       | FOOL      |         | DATION |  |
|--------|-------|-----------|---------|--------|--|
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|        |       |           |         |        |  |

| Nama                  | Tielsen | Price,    | Target price, | linaida 0/ | Dating | Our manage.   |
|-----------------------|---------|-----------|---------------|------------|--------|---|
| Name<br>Agriculture   | Ticker  | per share | per share     | Upside, %  | Rating | Commentary  |
| Kernel                | KER PW  | 35.4      | 50.2          | 42%        | 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.  |
| MHP                   | MHPC LI | 11.5      | 17.96         | 56%        | 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  | 26.3      | 36.1          | 37%        | BUY    | Astarta makes decisive moves toward business diversification (launch of soybean processing plant in early 2014) and cost optimization (launch of bioenergy complex in 2014). With no assets in the Donbass, material exposure of Astarta to UAH (50% of sales) is mostly offset with 60% of cost tied to UAH. |
| AvangardCo            | AVGR LI | 2.5       | 1.4           | -45%       | SELL   | Lost of the company's output at war-hit Donbass together with UAH devaluation will lead to lower EBITDA in 2015 after a 57% plunge in 2014.   |
| Ovostar Union         | OVO PW  | 75.5      | 80.8          | 7%         | 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 | 75.0      | 48.0          | -36%       | SELL   | Exacerbated issue of global ore oversupply together with sluggish growth in demand will likely keep iron ore prices at depressed level at least in the short run boding bad for Ferrexpo's earnings.  |
| Steel                 |         |           |               |            |        |   |
| Azovstal              | AZST    | 0.86      | 0.56          | -35%       | SELL   | Non-transparent reporting practices detrimentally affect Azovstal's reported earnings.  |
| Coke                  |         |           |               |            |        |   |
| Avdyivka Coke         | AVDK    | 1.39      | U/R           |            | Susp.  | Avdyivka Coke experienced several artillery attacks since August 2014 due to its location near the<br>border of occupied territory.   |
| Specialized Machinery |         |           |               |            |        |   |
| Motor Sich            | MSICH   | 2733      | 5250          | 92%        | BUY    | Motor Sich should see its sales grow with a 2012-2016E CAGR of 9%, reaching USD 1.2bn. For 2012-<br>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     | 4.7       | U/R           |            | U/R    | The company has been constantly missed production targets since 2012.   |
| JKX Oil & Gas         | JKX     | 30.0      | U/R           | -          | U/R    | The launch of extraction at JKX's Russian gas field has lifted output, but the company's higher-margin<br>Ukrainian operations continue to lag behind expectations.   |
| Power Utilities       |         |           |               |            |        |   |
| DonbasEnergo          | DOEN    | 23.4      | 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    | 8.33      | 15.00         | 80%        | 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    | 0.098     | 0.24          | 146%       | 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







|                        |        | Today,  | 52 high, | 52 low, |            | Absoluto | performan |        | Darfar | mance rela | tive to the | IIY indox |
|------------------------|--------|---------|----------|---------|------------|----------|-----------|--------|--------|------------|-------------|-----------|
| Name                   | Ticker | UAH*    | UAH*     | UAH*    | <b>1</b> d | 1w       | 1m        | ytd    | 1d     | 1w         | 1m          | ytd       |
| JX Index               | UX     | 1069.96 | 1368.76  | 908.88  | -0.7%      | -0.7%    | 3.2%      | 3.5%   | 0.0%   | 0.0%       | 0.0%        | 0.0%      |
| Steel                  |        |         |          |         |            |          |           |        |        |            |             |           |
| Alchevsk Steel         | ALMK   | 0.017   | 0.045    | 0.011   | 1.8%       | 5.0%     | 21.0%     | 15.2%  | 2.5%   | 5.7%       | 17.8%       | 11.6%     |
| Azovstal               | AZST   | 0.86    | 0.95     | 0.35    | 0.8%       | -0.8%    | 7.1%      | 15.0%  | 1.5%   | -0.1%      | 3.9%        | 11.5%     |
| Enakievo Steel         | ENMZ   | 18.04   | 65.00    | 14.81   | -0.4%      | 0.2%     | -1.7%     | -13.9% | 0.2%   | 0.9%       | -4.9%       | -17.4%    |
| Coke                   |        |         |          |         |            |          |           |        |        |            |             |           |
| Avdyivka Coke          | AVDK   | 1.39    | 3.62     | 1.10    | -0.7%      | 2.6%     | -3.7%     | -19.4% | -0.1%  | 3.3%       | -6.9%       | -23.0%    |
| Yasynivsky Coking      | YASK   | 0.27    | 0.84     | 0.18    | 0.0%       | 0.0%     | -10.0%    | -3.6%  | 0.7%   | 0.7%       | -13.2%      | -7.1%     |
| ron Ore Mining         |        |         |          |         |            |          |           |        |        |            |             |           |
| Centralny GOK          | CGOK   | 8.39    | n/a      | n/a     | 0.0%       | 0.0%     | -4.7%     | 7.7%   | 0.7%   | 0.7%       | -7.9%       | 4.2%      |
| errexpo                | FXPO   | 75.00   | 148.80   | 47.91   | -2.6%      | -3.8%    | 19.5%     | 41.5%  | -1.9%  | -3.1%      | 16.3%       | 38.0%     |
| Pivnichny GOK          | SGOK   | 8.20    | 12.30    | 4.44    | 0.0%       | 0.0%     | 3.8%      | -2.0%  | 0.7%   | 0.7%       | 0.6%        | -5.6%     |
| Coal Mining            |        |         |          |         |            |          |           |        |        |            |             |           |
| Pokrovske Mine         | SHCHZ  | 0.33    | 0.79     | 0.17    | 0.0%       | 0.0%     | -31.3%    | -29.8% | 0.7%   | 0.7%       | -34.5%      | -33.3%    |
| Pipe Manufacturing     |        |         |          |         |            |          |           |        |        |            |             |           |
| Khartsyzk Pipe         | HRTR   | 0.30    | 1.01     | 0.20    | 0.0%       | 0.0%     | -38.8%    | -21.1% | 0.7%   | 0.7%       | -42.0%      | -24.6%    |
| Railcar Manufacturing  |        |         |          |         |            |          |           |        |        |            |             |           |
| Kryukiv Wagon          | KVBZ   | 11.31   | 21.60    | 9.73    | -2.3%      | -3.7%    | 3.1%      | -12.0% | -1.7%  | -3.0%      | -0.1%       | -15.5%    |
| _uhanskteplovoz        | LTPL   | 1.20    | 1.80     | 0.85    | 0.0%       | 0.0%     | -20.0%    | 11.1%  | 0.7%   | 0.7%       | -23.2%      | 7.6%      |
| Specialized Machinery  |        |         |          |         |            |          |           |        |        |            |             |           |
| Motor Sich             | MSICH  | 2733    | 2939     | 1706    | -0.6%      | -1.7%    | 5.6%      | 10.1%  | 0.1%   | -0.9%      | 2.4%        | 6.5%      |
| 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                |        |         |          |         |            |          |           |        |        |            |             |           |
| Jkrtelecom             | UTLM   | 0.20    | 0.21     | 0.09    | 24.6%      | 22.9%    | 15.6%     | 28.3%  | 25.3%  | 23.6%      | 12.4%       | 24.7%     |
| Oil & Gas              |        |         |          |         |            |          |           |        |        |            |             |           |
| Regal Petroleum        | RPT    | 4.75    | 9.38     | 3.13    | 0.0%       | 15.0%    | -0.1%     | 51.8%  | 0.7%   | 15.7%      | -3.3%       | 48.3%     |
| IKX Oil                | JKX    | 30.00   | 62.00    | 11.00   | 0.0%       | 0.8%     | -3.2%     | 150.0% | 0.7%   | 1.5%       | -6.4%       | 146.5%    |
| Jkrnafta               | UNAF   | 271.9   | 375.0    | 54.0    | -0.3%      | 0.2%     | -10.5%    | 33.7%  | 0.4%   | 0.9%       | -13.7%      | 30.2%     |
| Power Utilities        |        |         |          |         |            |          |           |        |        |            |             |           |
| Centrenergo            | CEEN   | 8.33    | 8.70     | 3.00    | -0.6%      | 0.9%     | 3.9%      | 10.4%  | 0.0%   | 1.6%       | 0.7%        | 6.8%      |
| Donbasenergo           | DOEN   | 23.43   | 48.98    | 11.00   | -0.7%      | -0.2%    | 4.8%      | -29.0% | -0.1%  | 0.5%       | 1.6%        | -32.5%    |
| Zakhidenergo           | ZAEN   | 150.0   | 199.8    | 91.2    | 0.0%       | 0.0%     | -15.6%    | 1.3%   | 0.7%   | 0.7%       | -18.8%      | -2.3%     |
| Consumer               |        |         |          |         |            |          |           |        |        |            |             |           |
| Agroton                | AGT    | 1.07    | 3.19     | 1.05    | -1.8%      | -2.7%    | -7.0%     | -13.0% | -1.2%  | -2.0%      | -10.2%      | -16.6%    |
| Astarta                | AST    | 26.29   | 47.95    | 14.50   | 0.9%       | 9.1%     | 21.4%     | 31.5%  | 1.6%   | 9.8%       | 18.2%       | 27.9%     |
| Avangardo              | AVGR   | 2.50    | 10.27    | 1.83    | 0.0%       | 0.0%     | -4.9%     | 22.0%  | 0.7%   | 0.7%       | -8.1%       | 18.4%     |
| ndustrial Milk Company | IMC    | 5.10    | 10.39    | 5.00    | 0.0%       | -1.7%    | -2.1%     | -10.1% | 0.7%   | -1.0%      | -5.3%       | -13.6%    |
| Kernel                 | KER    | 35.35   | 39.25    | 22.00   | 0.3%       | 1.4%     | -9.8%     | 24.2%  | 0.9%   | 2.1%       | -13.0%      | 20.7%     |
| Mriya Agro Holding     | MAYA   | 0.16    | 5.25     | 0.05    | 162.3%     | -5.9%    | -64.4%    | -71.5% | 163.0% | -5.2%      | -67.6%      | -75.1%    |
| MHPC                   | MHPC   | 11.50   | 15.77    | 8.24    | 0.0%       | 0.0%     | 12.7%     | 25.0%  | 0.7%   | 0.7%       | 9.5%        | 21.5%     |
| Milkiland              | MLK    | 2.45    | 7.57     | 1.48    | -4.3%      | -9.3%    | 7.0%      | 65.5%  | -3.6%  | -8.6%      | 3.8%        | 62.0%     |
| Ovostar Union          | OVO    | 75.50   | 76.00    | 64.00   | 1.3%       | 1.3%     | 9.4%      | 4.9%   | 2.0%   | 2.1%       | 6.2%        | 1.3%      |
| Chemicals              | J.0    | . 0.00  | . 0.00   | 3 7.00  | 2.070      | 2.070    | J. 770    |        | 2.070  |            | J.270       |           |
| Stirol                 | STIR   | 5.50    | n/a      | n/a     | -0.2%      | -0.2%    | -38.7%    | -20.6% | 0.5%   | 0.5%       | -41.9%      | -24.2%    |
| Banks                  | OTH.   | 0.00    | 11/ 4    | 11, 0   | J.270      | J.270    | 33.170    | 20.070 | 3.070  | 3.070      | .2.070      |           |
| Raiffeisen Bank Aval   | BAVL   | 0.098   | 0.190    | 0.086   | -1.3%      | -1.6%    | 2.5%      | 1.7%   | -0.7%  | -0.9%      | -0.7%       | -1.9%     |
|                        |        |         |          |         |            |          |           |        |        |            |             |           |

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





| Name                  | Ticker | N     | let Sales | 6     |       | <b>EBITDA</b> |       | EB    | ITDA ma    | argin | N    | et Profit |       | Net   | Profit m  | argin |
|-----------------------|--------|-------|-----------|-------|-------|---------------|-------|-------|------------|-------|------|-----------|-------|-------|-----------|-------|
|                       |        | 2013  | 2014E     | 2015E | 2013  | 2014E         | 2015E | 2013  | 2014E      | 2015E | 2013 | 2014E     | 2015E | 2013  | 2014E     | 2015E |
| Steel                 |        |       |           |       |       |               |       |       |            |       |      |           |       |       |           |       |
| Alchevsk Steel        | ALMK   | 1,729 | 700       | 280   | -62   | -83           | -100  | neg   | neg        | neg   | -214 | -1,683    | -190  | neg   | neg       | neg   |
| Enakievo Steel        | ENMZ   | 1,507 | 906       | 539   | -7    | 6             | 31    | neg   | 0.6%       | 5.7%  | -61  | -33       | 24    | neg   | neg       | 4.4%  |
| Azovstal              | AZST   | 2,562 | 1,885     | 1,602 | -81   | 183           | 126   | neg   | 9.7%       | 7.8%  | -308 | 77        | 66    | neg   | 4.1%      | 4.1%  |
| Coke                  |        |       |           |       |       |               |       |       |            |       |      |           |       |       |           |       |
| Avdyivka Coke         | AVDK   | 914   | 509       | 382   | 46    | -54           | -57   | 5.0%  | neg        | neg   | -6   | -75       | -82   | neg   | neg       | neg   |
| Yasynivsky Coking     | YASK   | 367   | 198       | 159   | 29    | -4            | -5    | 7.8%  | neg        | neg   | -3   | -13       | -10   | neg   | neg       | neg   |
| Iron Ore Mining       |        |       |           |       |       |               |       |       |            |       |      |           |       |       |           |       |
| Centralny GOK         | CGOK   | 679   | 611       | 550   | 312   | 223           | 159   | 46.0% | 36.5%      | 28.8% | 194  | 115       | 80    | 28.6% | 18.8%     | 14.6% |
| Pivnichny GOK         | SGOK   | 1,630 | 1,467     | 1,320 | 914   | 649           | 463   | 56.1% | 44.2%      | 35.1% | 548  | 324       | 226   | 33.7% | 22.1%     | 17.2% |
| Ferrexpo              | FXPO   | 1,581 | 1,388     | 1,059 | 506   | 496           | 256   | 32.0% | 35.8%      | 24.2% | 264  | 184       | 98    | 16.7% | 13.2%     | 9.2%  |
| Pipe Manufacturing    |        |       |           |       |       |               |       |       |            |       |      |           |       |       |           |       |
| Khartsyzk Pipe        | HRTR   | 310   | 193       | 92    | 31    | 43            | 18    | 10.1% | 22.6%      | 19.3% | 5    | 23        | 2     | 1.5%  | 11.7%     | 2.0%  |
| 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/a   |
| Kryukiv Wagon         | KVBZ   | 462   | 133       | 67    | 50    | -6            | 5     | 10.9% | neg        | 7.5%  | 42   | -23       | -4    | 9.0%  | neg       | neg   |
| Specialized Machinery |        |       |           |       |       |               |       |       |            |       |      |           |       |       |           |       |
| Turboatom             | TATM   | 214   | 164       | 114   | 90    | 73            | 36    | 42.1% | 44.6%      | 32.0% | 72   | 53        | 23    | 33.5% | 32.4%     | 20.0% |
| Motor Sich            | MSICH  | 1,053 | 879       | 636   | 384   | 342           | 218   | 36.5% | 38.9%      | 34.3% | 162  | 129       | 92    | 15.4% | 14.7%     | 14.5% |
| Telecom               |        |       |           |       |       |               |       |       |            |       |      |           |       |       |           |       |
| Ukrtelecom            | UTLM   | 796   | 412       | 251   | -199  | 85            | 72    | neg   | 20.6%      | 28.5% | -279 | 18        | 9     | neg   | 4.4%      | 3.6%  |
| Oil & Gas             |        |       |           |       |       |               |       |       |            |       |      |           |       |       |           |       |
| Ukrnafta              | UNAF   | 2,589 | 2,324     | 1,152 | 286   | 380           | 219   | 11.1% | 16.4%      | 19.0% | 23   | 105       | 115   | 0.9%  | 4.5%      | 10.0% |
| Regal Petroleum       | RPT    | 37    | 38        | 35    | -146  | 16            | 13    | neg   | 42.1%      | 37.1% | -127 | 2         | 3     | neg   | 5.3%      | 8.6%  |
| JKX Oil               | JKX    | 181   | 146       | 150   | 66    | 69            | 70    | 36.7% | 46.9%      | 46.7% | 7    | -80       | 5     | 3.6%  | neg       | 3.3%  |
| Electric Utilities    |        |       |           |       |       |               |       |       |            |       |      |           |       |       |           |       |
| Centrenergo           | CEEN   | 915   | 630       | 323   | 94    | 26            | -12   | 10.3% | 4.1%       | neg   | 60   | 6         | -28   | 6.5%  | 0.9%      | neg   |
| Donbasenergo          | DOEN   | 656   | 458       | 196   | 72    | 20            | -19   | 11.0% | 4.4%       | neg   | 65   | 8         | -17   | 9.9%  | 1.8%      | neg   |
| Consumer              |        |       |           |       |       |               |       |       |            |       |      |           |       |       |           |       |
| MHP                   | MHPC   | 1,496 | 1,379     | 1,544 | 391   | 555           | 550   | 26.1% | 40.2%      | 35.6% | 162  | -412      | 97    | 10.8% | neg       | 6.3%  |
| Kernel                | KER    | 2,797 | 2,393     | 2,250 | 291   | 223           | 325   | 10.4% | 9.3%       | 14.4% | 105  | -107      | 125   | 3.8%  | neg       | 5.6%  |
| Astarta               | AST    | 491   | 422       | 347   | 91    | 143           | 98    | 15.5% | 28.3%      | 23.5% | 34   | -82       | -12   | 5.8%  | neg       | neg   |
| Avangardco            | AVGR   | 661   | 420       | 361   | 301   | 129           | 94    | 45.6% | 30.9%      | 26.1% | 238  | -27       | -13   | 36.0% | neg       | neg   |
| Ovostar               | ovo    | 81    | 75        | 79    | 36    | 29            | 25    | 43.7% | 38.9%      | 31.6% | 31   | 26        | 24    | 38.0% | 34.5%     |       |
| Banks                 |        |       | Total Ass | ets   |       | Total Equ     | ity   |       | Total Inco |       |      | Net Pro   | fit   |       | urn on Eq | uity  |
| Raiffeisen Bank Aval  | BAVL   | 5,333 | 2,869     | 2,166 | 888   | 390           | 295   | 723   | 327        | 217   | 90   | -87       | -115  | 10.1% | -22.2%    | -     |
| Ukrsotsbank           | USCB   | 5,283 | 2,730     | 2,095 | 1,064 | 518           | 362   | 132   | 149        | 132   | 1    |           | -14   | 0.1%  | -8.0%     | -3.9% |

Source: Eavex Research



|                       | Ticker | МСар   | Free  | Float  | EV     |       | P/E   |       |      | //EBITE |       |      | V/Sales |       |       | /Outp   |       | Units       |
|-----------------------|--------|--------|-------|--------|--------|-------|-------|-------|------|---------|-------|------|---------|-------|-------|---------|-------|-------------|
|                       | Herror | USD mn | % l   | JSD mn | USD mn | 2013  | 2014E | 2015E | 2013 | 2014E   | 2015E | 2013 | 2014E   | 2015E | 20132 | 2014E 2 | 2015E | Omico       |
| Steel                 | 41.447 | 0.4    | 0.00/ | 4      | 0.004  | _     | _     |       | _    | _       | _     | 4.5  | 0.0     | 0.4   | 004   | 005     | 616   | ¢/tanna     |
| Alchevsk Steel        | ALMK   | 21     | 3.9%  |        | 2,634  | neg . | neg   | neg   | neg  | neg     | neg   | 1.5  | 3.8     | 9.4   | 681   | 635     | 616   | \$/tonne    |
| Yenakievo Steel       | ENMZ   | 9      | 8.8%  | 1      | 7      | neg   | neg   | 0.4   | neg  | 1.2     | 0.2   | 0.0  | 0.0     | 0.0   | 3     | 3       | 2     | \$/tonne    |
| Azovstal              | AZST   | 176    | 3.0%  | 5      | 169    | neg   | 2.3   | 2.7   | neg  | 0.9     | 1.3   | 0.1  | 0.1     | 0.1   | 37    | 38      | 37    | \$/tonne    |
| Coke                  | AV/DI/ | 40     | 0.00/ | 4      | 00     | _     | _     |       | 0.0  | _       | _     | 0.0  | 0.4     | 0.4   | _     | _       | 7     | ¢ /tonno    |
| Avdyivka Coke         | AVDK   | 13     | 6.8%  | 1      | -26    | neg   | neg   | neg   | -0.6 | neg     | neg   | 0.0  | -0.1    | -0.1  | -6    | -7      | -7    | \$/tonne    |
| Yasynivsky Coke       | YASK   | 4      | 9.0%  | 0      | 4      | neg   | neg   | neg   | 0.2  | neg     | neg   | 0.0  | 0.0     | 0.0   | 0.2   | neg     | neg   | \$/tonne    |
| Iron Ore Mining       |        |        |       |        |        |       |       |       |      |         |       |      |         |       |       |         |       |             |
| Centralny GOK         | CGOK   | 479    | 0.3%  | 1      | 478    | 2.5   | 4.2   | 6.0   | 1.5  | 2.1     | 3.0   | 0.7  | 0.8     | 0.9   |       |         |       |             |
| Pivnichny GOK         | SGOK   | 921    | 0.4%  | 4      | 914    | 1.7   | 2.8   | 4.1   | 1.0  | 1.4     | 2.0   | 0.6  | 0.6     | 0.7   |       |         |       |             |
| Ferrexpo              | FXPO   | 678    | 24.0% | 163    | 1,356  | 2.6   | 3.7   | 6.9   | 2.7  | 2.7     | 5.3   | 0.9  | 1.0     | 1.3   |       |         |       |             |
| Pipe Manufacturing    |        |        |       |        |        |       |       |       |      |         |       |      |         |       |       |         | 000   | <b>A</b> () |
| Khartsyzk Pipe        | HRTR   | 38     | 2.0%  | 1      | 84     | 8.1   | 1.7   | 20.6  | 2.7  | 1.9     | 4.7   | 0.3  | 0.4     | 0.9   | 133   | 220     | 209   | \$/tonne    |
| Railcar Manufacturing |        |        |       |        |        |       |       |       |      |         |       |      |         |       |       |         |       |             |
| LuganskTeplovoz       | LTPL   | 13     | 24.0% | 3      | 50     | 0.7   | neg   | n/a   | 1.4  | neg     | n/a   | 0.2  | 0.4     | n/a   |       |         |       |             |
| Krukiv Wagon          | KVBZ   | 63     | 5.0%  | 3      | 57     | 1.5   | neg   | neg   | 1.1  | neg     | 11.4  | 0.1  | 0.4     | 0.9   |       |         |       |             |
| Specialized Machinery |        |        |       |        |        |       |       |       |      |         |       |      |         |       |       |         |       |             |
| Turboatom             | TATM   | 72     | 5.8%  | 4      | 42     | 1.0   | 1.4   | 3.2   | 0.5  | 0.6     | 1.1   | 0.2  | 0.3     | 0.4   |       |         |       |             |
| Motor Sich            | MSICH  | 277    | 24.0% | 66     | 252    | 1.7   | 2.1   | 3.0   | 0.7  | 0.7     | 1.2   | 0.2  | 0.3     | 0.4   |       |         |       |             |
| Telecom               |        |        |       |        |        |       |       |       |      |         |       |      |         |       |       |         |       |             |
| Ukrtelecom            | UTLM   | 178    | 7.2%  | 13     | 269    | neg   | 9.8   | 19.5  | neg  | 3.2     | 3.8   | 0.3  | 0.7     | 1.1   |       |         |       |             |
| Oil & Gas             |        |        |       |        |        |       |       |       |      |         |       |      |         |       |       |         |       |             |
| Ukrnafta              | UNAF   | 719    | 3.0%  | 22     | 727    | >30   | 6.8   | 6.2   | 2.5  | 1.9     | 3.3   | 0.3  | 0.3     | 0.6   | n/a   | n/a     | n/a   | \$/boe      |
| Regal Petroleum       | RPT    | 23     | 21.6% | 5      | -2     | neg   | 11.7  | 7.8   | neg  | -0.1    | -0.1  | 0.0  | 0.0     | 0.0   | n/a   | n/a     | n/a   | \$/boe      |
| JKX Oil & Gas         | JKX    | 80     | 50.4% | 40     | 188    | 12.2  | neg   | 15.9  | 2.8  | 2.7     | 2.7   | 1.0  | 1.3     | 1.3   | 34    | 26      | 25    | \$/boe      |
| Electric Utilities    |        |        |       |        |        |       |       |       |      |         |       |      |         |       |       |         |       |             |
| CentrEnergo           | CEEN   | 150    | 21.7% | 33     | 164    | 2.5   | 25.5  | neg   | 1.7  | 6.3     | neg   | 0.2  | 0.3     | 0.5   | 9     | 12      | 10    | \$/MWh      |
| DonbasEnergo          | DOEN   | 27     | 14.2% | 4      | 58     | 0.4   | 3.2   | neg   | 0.8  | 2.9     | neg   | 0.1  | 0.1     | 0.3   | 7     | 7       | 7     | \$/MWh      |
| Consumer              |        |        |       |        |        |       |       |       |      |         |       |      |         |       |       |         |       |             |
| MHP                   | MHPC   | 1,215  | 34.1% | 414    | 2,353  | 7.5   | neg   | 12.5  | 6.0  | 4.2     | 4.3   | 1.6  | 1.7     | 1.5   |       |         |       |             |
| Kernel                | KER    | 780    | 61.8% | 482    | 1,515  | 7.4   | neg   | 6.2   | 5.2  | 6.8     | 4.7   | 0.5  | 0.6     | 0.7   |       |         |       |             |
| Astarta               | AST    | 182    | 37.0% | 67     | 429    | 5.3   | neg   | neg   | 4.7  | 3.0     | 4.4   | 0.9  | 1.0     | 1.2   |       |         |       |             |
| Avangardco            | AVGR   | 160    | 22.5% | 36     | 386    | 0.7   | neg   | neg   | 1.3  | 3.0     | 4.1   | 0.6  | 0.9     | 1.1   | 87    | 66      | 62 \$ | \$/mneggs   |
| Ovostar               | OVO    | 125    | 25.0% | 31     | 133    | 4.1   | 4.9   | 5.2   | 3.7  | 4.6     | 5.3   | 1.6  | 1.8     | 1.7   | n/a   | n/a     | n/a   |             |
| Banks                 |        |        |       |        |        |       | P/E   |       |      | P/Book  |       |      | P/Asset | s     |       |         |       |             |
| Raiffeisen Bank Aval  | BAVL   | 143    | 3.5%  | 5      |        | 1.6   | neg   | neg   | 0.2  | 0.4     | 0.5   | 0.03 | 0.05    | 0.07  |       |         |       |             |
| Ukrsotsbank           | USCB   | 103    | 1.0%  | 1      |        | >30   | >30   | >30   | 0.1  | 0.2     | 0.3   | 0.02 | 0.03    | 0.04  |       |         |       |             |

Source: Eavex Research



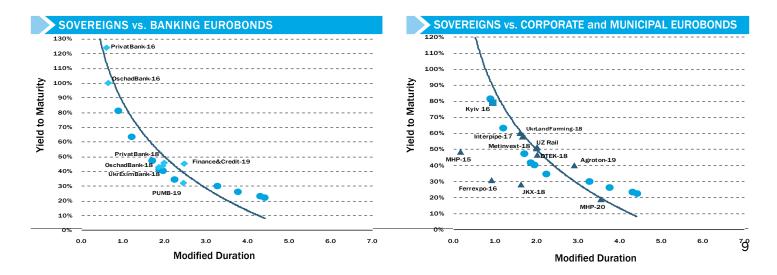
May 8, 2015



|                              | Price | Price | YTM    | YTM    | Price chg. | Modified | _       | Coupon | Maturity     | Volume |                      |
|------------------------------|-------|-------|--------|--------|------------|----------|---------|--------|--------------|--------|----------------------|
| Issue                        | (Bid) | (Ask) | (Bid)  | (Ask)  | (YTD)      | Duration | Coupon  | Period | Date         | USD mn | Ratings <sup>1</sup> |
| Sovereign Eurobonds          |       |       |        |        |            |          |         |        |              |        |                      |
| Jkraine, 2015 (EUR)          | 45.0  | 47.0  | 281.0% | 260.3% | -32.3%     | 0.2      | 4.95%   | Α      | 13 Oct 2015  | 600*   | Ca/CC/CC             |
| Jkraine, 2015                | 51.4  | 53.0  | 272.0% | 256.0% | -25.8%     | 0.2      | 6.875%  | S/A    | 23 Sept 2015 | 500    | Ca/CC/CC             |
| Jkraine, 2016                | 47.2  | 48.9  | 67.1%  | 64.0%  | -23.3%     | 1.0      | 6.58%   | S/A    | 21 Nov 2016  | 1,000  | Ca/CC/CC             |
| Ukraine, 2016-2              | 47.2  | 48.5  | 92.3%  | 88.7%  | -26.1%     | 0.7      | 6.25%   | S/A    | 17 Jun 2016  | 1,250  | Ca/CC/CC             |
| Ukraine, 2017                | 45.8  | 47.3  | 44.9%  | 43.2%  | -26.4%     | 1.7      | 6.75%   | S/A    | 14 Nov 2017  | 700    | Ca/CC/CC             |
| Jkraine, 2017-2              | 46.1  | 46.9  | 53.7%  | 52.7%  | -25.3%     | 1.5      | 9.25%   | S/A    | 24 Jul 2017  | 2,000  | Ca/CC/CC             |
| Ukraine, 2017 Infr. projects | 44.0  | 45.5  | 50.4%  | 48.4%  | -27.2%     | 1.7      | 8.375%  | S/A    | 3 Nov 2017   | 568    | Ca//                 |
| Jkraine, 2018 Infr. projects | 43.5  | 45.0  | 43.0%  | 41.4%  | -26.3%     | 2.1      | 7.40%   | S/A    | 20 Apr 2018  | 690    | Ca//                 |
| Jkraine, 2020                | 46.0  | 49.0  | 27.6%  | 25.8%  | -20.3%     | 3.4      | 7.75%   | S/A    | 23 Sept 2020 | 1,500  | Ca/CC/CC             |
| Jkraine, 2021                | 47.0  | 48.0  | 26.2%  | 25.7%  | -20.0%     | 3.5      | 7.95%   | S/A    | 23 Feb 2021  | 1,500  | Ca/CC/CC             |
| Jkraine, 2022                | 46.5  | 47.5  | 23.1%  | 22.6%  | -21.9%     | 4.1      | 7.80%   | S/A    | 28 Nov 2022  | 1,250  | Ca/CC/CC             |
| Ukraine, 2023                | 47.8  | 49.8  | 21.8%  | 21.2%  | -17.8%     | 4.6      | 7.50%   | S/A    | 17 Apr 2023  | 1,250  | Ca/CC/CC             |
| Corporate Eurobonds          |       |       |        |        |            |          |         |        |              |        |                      |
| Agroton, 2019                | 30.0  | 35.1  | 46.5%  | 40.3%  | -3.7%      | 2.6      | 8.00%   | S/A    | 14 Jul 2019  | 50     | //RD                 |
| MHP, 2020                    | 81.5  | 82.7  | 13.5%  | 13.1%  | 19.0%      | 3.7      | 8.25%   | S/A    | 2 Apr 2020   | 750    | /CCC-/CC             |
| Avangardco, 2015             | 58.0  | 58.0  | 169.0% | 169.0% | -10.1%     | 0.3      | 10.00%  | S/A    | 29 Oct 2015  | 200    | /CCC-/               |
| JkrLandFarming, 2018         | 50.0  | 53.0  | 42.6%  | 39.6%  | 10.7%      | 2.0      | 10.88%  | S/A    | 26 Mar 2018  | 500    | /CC/                 |
| Mriya, 2016                  | 11.0  | 14.0  | 516.1% | 425.0% | -3.8%      | 0.3      | 10.95%  | S/A    | 30 Mar 2016  | 72     | /SD/RD               |
| Mriya, 2018                  | 11.0  | 14.0  | 120.2% | 104.2% | -3.8%      | 1.6      | 9.45%   | S/A    | 19 Apr 2018  | 400    | /SD/RD               |
| OTEK, 2018                   | 45.0  | 48.0  |        |        | n/a        | 1.9      | 10.375% | S/A    | 28 Apr 2018  | 160    | //C                  |
| DTEK, 2018                   | 44.0  | 47.0  | 43.8%  | 40.6%  | 0.0%       | 2.0      | 7.88%   | S/A    | 4 Apr 2018   | 750    | Caa3//C              |
| Metinvest, 2015              | 66.0  | 69.0  | n/a    | n/a    | -16.1%     | 0.0      | 10.25%  | S/A    | 20 May 2015  | 114    | Caa3//RD             |
| Metinvest, 2017              | 57.0  | 60.0  | 38.4%  | 35.7%  | -16.4%     | 1.2      | 10.50%  | S/A    | 28 Nov 2017  | 290    | //RD                 |
| Metinvest, 2018              | 56.0  | 59.0  | 34.8%  | 32.2%  | 3.6%       | 2.0      | 8.75%   | S/A    | 14 Feb 2018  | 750    | Caa3//RD             |
| Ferrexpo, 2016               | 83.5  | 85.5  | 29.9%  | 26.9%  | 9.7%       | 0.8      | 7.88%   | S/A    | 07 Apr 2016  | 286    | Caa3/CCC/C           |
| Ferrexpo, 2019               | 81.3  | 83.9  | 17.1%  | 16.1%  | n/a        | 2.6      | 10.38%  | S/A    | 07 Apr 2019  | 161    | Caa3/CCC/C           |
| UZ Rail, 2018                | 56.0  | 59.0  | 33.8%  | 31.5%  | 8.4%       | 2.1      | 9.50%   | S/A    | 21 May 2018  | 500    | /CCC-/CC             |
| Interepipe, 2017             | 25.0  | 35.0  | 108.2% | 79.2%  | -45.5%     | 1.2      | 10.25%  | S/A    | 2 Aug 2017   | 200    | //                   |
| JKX Oil&Gas, 2018            | 70.7  | 74.4  | 28.0%  | 25.7%  | 24.6%      | 1.4      | 8.00%   | S/A    | 19 Feb 2018  | 40     |                      |
| Bank Eurobonds               |       |       |        |        |            |          |         |        |              |        |                      |
| Fin&Credit Bank, 2019        | 20.0  | 30.0  | 76.2%  | 55.7%  | -69.9%     | 2.0      | 9.25%   | S/A    | 25 Jan 2019  | 100    | Ca//                 |
| PUMB, 2018                   | 51.0  | 54.0  | 35.5%  | 33.3%  | -22.2%     | 1.9      | 11.00%  | Q      | 31 Dec 2018  | 275    | Ca//                 |
| Nadra Bank, 2018             | 7.0   | 12.0  | n/a    | n/a    | -24.0%     | 0.1      | 6.25%   | A      | 31 Jul 2018  | 60     | //                   |
| PrivatBank, 2015             | 64.0  | 69.0  | 164.8% | 133.7% | 6.4%       | 0.2      | 9.38%   | S/A    | 23 Sept 2015 | 200    | Ca//                 |
| PrivatBank, 2016             | 40.0  | 45.0  | 181.3% | 152.3% | -14.1%     | 0.4      | 8.75%   | S/A    | 9 Feb 2016   | 150    | Ca//                 |
| PrivatBank, 2018             | 65.1  | 68.8  | 30.2%  | 27.6%  | 0.5%       | 2.1      | 10.88%  | S/A    | 28 Feb 2018  | 175    | Ca//CC               |
| JkrEximBank, 2015            | 74.5  | 77.5  | n/a    | n/a    | -1.9%      | 0.2      | 8.38%   | S/A    | 27 Apr 2015  | 750    | Ca//CC               |
| JkrEximBank, 2016            | 48.0  | 51.0  | 137.4% | 123.9% | 4.2%       | 0.4      | 5.79%   | S/A    | 2 Sept 2016  | 125    | Ca//CC               |
| JkrEximBank, 2018            | 68.0  | 70.0  | 25.9%  | 24.6%  | 22.1%      | 2.1      | 8.75%   | S/A    | 22 Jan 2018  | 500    | Ca//CC               |
| /AB Bank, 2019               | 2.0   | 6.0   | n/a    | n/a    | -38.5%     | n/a      | 9.00%   | Q      | 14 Jun 2019  | 88     | //WD                 |
| Oschadbank, 2016             | 67.5  | 70.0  | 64.5%  | 58.7%  | 17.5%      | 0.6      | 8.25%   | S/A    | 10 Mar 2016  | 700    | Ca//CC               |
| Oschadbank, 2018             | 67.0  | 70.0  | 25.9%  | 23.9%  | 21.3%      | 2.2      | 8.88%   | S/A    | 20 Mar 2018  | 500    | Ca//CC               |
| Municipal Eurobonds          | 07.0  | . 5.0 |        | _0.070 |            |          | 3.00%   | 5, 11  | 20 2010      | 500    | 54//00               |
| City of Kyiv, 2015           | 48.5  | 50.8  | 234.6% | 215.1% | -31.6%     | 0.2      | 8.00%   | S/A    | 6 Nov 2015   | 250    | Ca/CC/               |
| City of Kyiv, 2016           | 46.4  | 49.4  | 94.1%  | 86.0%  | -31.6%     | 0.2      | 9.375%  | S/A    | 30 Jun 2016  | 300    | Ca/CC/               |

<sup>&</sup>lt;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 | l Bonds      |             |           |           |                      |        |                  |               |                  |
| UA4000141592    |              |             |           |           | n/a                  | 14.30% | S/A              | 20 May 2015   | n/a              |
| UA4000142665    |              |             | 27%       | 24%       | n/a                  | 14.30% | S/A              | 24 May 2017   | n/a              |
| USD denominated | l Bonds      |             |           |           |                      |        |                  |               |                  |
| 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 | Bonds        |             |           |           |                      |        |                  |               |                  |
| UA4000142681    | n/a          | n/a         | 12.5%     | 8.0%      | n/a                  | 4.80%  | S/A              | 6 May 2015    | n/a              |
| VAT Bonds       |              |             |           |           |                      |        |                  |               |                  |
| UA4000082531    |              |             | 27%       | 24%       | n/a                  | 5.50%  | S/A              | 21 Aug 2015   | n/a              |
| UA4000082622    |              |             | 27%       | 24%       | n/a                  | 5.50%  | S/A              | 24 Aug 2015   | n/a              |
| UA4000083059    |              |             | 27%       | 24%       | n/a                  | 5.50%  | S/A              | 25 Aug 2015   | n/a              |
| UA4000185151    |              |             | 27%       | 24%       | 1.9                  | 9.50%  | S/A              | 8 Jul 2019    | 3,577            |
| UA4000185557    |              |             | 27%       | 24%       | 1.9                  | 9.50%  | S/A              | 22 Jul 2019   | 2,171            |
| UA4000186159    |              |             | 27%       | 24%       | 1.9                  | 9.50%  | S/A              | 20 Aug 2019   | 955              |

Source: Bloomberg, Chonds, Eavex Research



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