

Market Update
Equity

Ukrainian equities were mixed in line with European shares in a low-energy session on Wednesday (Jan 25), with investors awaiting today's final statement from the US Federal Reserve meeting. The UX index edged up 0.3%, ending at 1427 points. None of the top liquid names saw particularly notable price swings; Motor Sich, Alchevsk Steel, and Avdyivka Coke each added about half a percent, Yenakievo Steel and Azovstal dropped 0.8% and 0.6% respectively, and CentrEnergO was unchanged. Outperforming were Stakhanov Wagon, which added 2.5%, and Raiffeisen Aval, which picked up 1.3% on heavy volume for the issue of UAH 3.7mn. In Warsaw, Astarta crept up another 2.2%, while MHP surged back above the USD 12 level with a 2.7% gain.

Fixed Income

Trading in Ukrainian sovereign Eurobonds was flat on Wednesday. Ukraine-21s edged up 0.25p.p. to close at 89.3/90.3 (9.74%/9.56%), while Ukraine-16s were unchanged at 87.8/88.8 (9.81%/9.53%). Most corporate names were also marginally higher yesterday, with Metinvest-18s the biggest gainer. The issue increased by 1.25p.p. to 86.5/88.1 (11.90%/11.50%).

| Volume Leaders | Ticker | Last, USD | 1D ch | Volume, USD mn | Number of Trades |
|----------------|--------|-----------|-------|----------------|------------------|
| Avdyivka Coke | AVDK | 0.74 | 0.5% | 0.8 | 180 |
| Ukrsotsbank | USCB | 0.02 | 0.8% | 0.7 | 218 |
| Motor Sich | MSICH | 261.32 | 0.6% | 0.7 | 153 |

Growth Leaders

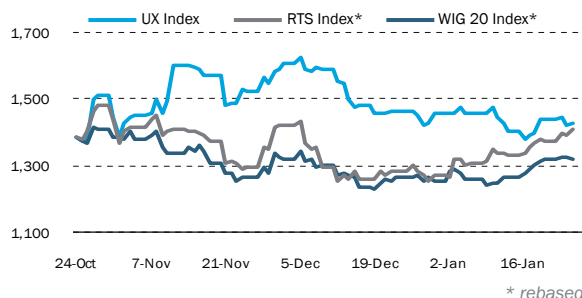
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|------------------|------|------|------|------|----|
| Mariupol Ilyicha | MMKI | 0.03 | 5.3% | 0.01 | 17 |
| LuhanskTeplovoz | LTPL | 0.28 | 2.6% | 0.03 | 8 |
| Stakhanov Wagon | SVGZ | 0.39 | 2.5% | 0.05 | 70 |

Loss Leaders

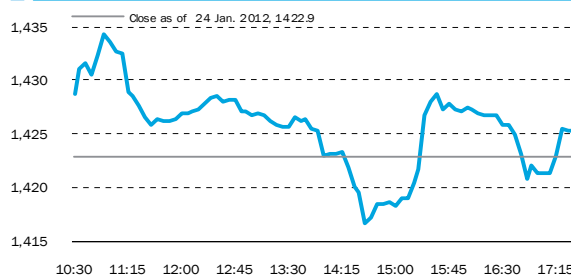
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|------------------------|-------|-------|--------|------|----|
| Mariupol Heavy Machine | MZVM | 0.02 | -12.4% | 0.01 | 17 |
| Dakor | DAKOR | 0.62 | -6.9% | 0.00 | 8 |
| Zakhidenergo | ZAEN | 29.84 | -5.9% | 0.00 | 8 |

Highlights
STOCKS IN THE NEWS

- > MHP Targets Poultry Output Rise of 3% YoY in 2012
- > Stakhanov Wagon Bottom Line Slips 21% YoY to USD 26mn

STOCK MARKET PERFORMANCE

MARKET INDEXES

| | Last | 1D ch | 1M ch | YTD |
|---------|--------|-------|-------|-------|
| UX | 1426.8 | 0.3% | -2.3% | -2.2% |
| RTS | 1534.1 | 1.3% | 10.0% | 11.0% |
| WIG20 | 2253.0 | -0.5% | 3.9% | 5.1% |
| MSCI EM | 999.6 | 0.2% | 7.8% | 9.1% |
| S&P 500 | 1326.1 | 0.9% | 4.8% | 5.4% |

UX INTRADAY JANUARY 25, 2012

FIXED INCOME

| | Last | 1D ch | 1M ch | YTD |
|-----------------|--------|-----------|-----------|-----------|
| EMBI+Global | 406.9 | -0.2% | -0.1% | -4.6% |
| CDS 5Y UKR | 845.9 | 0.4% | 0.0% | -0.3% |
| Ukraine-13 | 9.58% | 0.0 p.p. | -0.1 p.p. | -0.4 p.p. |
| Naftogaz Ukr-14 | 11.58% | -0.3 p.p. | -0.7 p.p. | -0.6 p.p. |
| Ukraine-20 | 9.86% | 0.0 p.p. | -0.4 p.p. | -0.2 p.p. |
| Privatbank-16 | 20.13% | -0.6 p.p. | -0.6 p.p. | -0.6 p.p. |

CURRENCY

| | Last, UAH | 1D ch | 1M ch | YTD |
|-----|-----------|-------|-------|------|
| USD | 8.04 | 0.1% | 0.2% | 0.0% |
| EUR | 10.53 | 0.5% | 0.5% | 1.5% |
| RUB | 0.26 | 0.6% | 2.0% | 5.7% |

COMMODITIES

| | Last | 1D ch | 1M ch | YTD |
|--------------|--------|-------|-------|------|
| Wheat, USD/t | 188.0 | 0.0% | 3.9% | 3.9% |
| Steel, USD/t | 625.0 | 0.0% | 8.2% | 8.2% |
| Oil, USD/bbl | 99.4 | 0.5% | -0.4% | 0.4% |
| Gold, USD/oz | 1710.6 | 2.7% | 6.5% | 9.4% |

Source: Bloomberg, Ukrainian Exchange

MHP Targets Poultry Output Rise of 3% YoY in 2012

by Volodymyr Dinul
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MHP S.A. (MHPC LI)

Price: USD 12.25 Market Cap: USD 1,321mn

| | EV/S | P/E | EV/EBITDA | Div. Yield |
|-------|------|-----|-----------|------------|
| 2011E | 1.8 | 5.5 | 4.9 | 0% |
| 2012E | 1.5 | 5.3 | 4.8 | 0% |

NEWS

MHP S.A., Ukraine's largest manufacturer of poultry meat and a major crop grower, announced yesterday that it intends to produce some 390,000 tonnes of poultry meat in 2012, Interfax reported on Wednesday (Jan 25). This would follow the output of 380,000 the company achieved in 2011 and 360,000 tonnes the company produced in 2010.

COMMENTARY

MHP's installed capacity for poultry production is 360,000 tonnes. The company has explained that it was able to increase the output in 2011 outside of the capacity limits by streamlining operations, and there is apparently still some small room for improvement in this area. Investors have begun to see the MHPC stock favorably recently in view of its low P/E, and the share price has jumped by 14% since the beginning of the year.

Stakhanov Wagon FY11 Bottom Line Slips 21% YoY to USD 26mn

by Iryna Levkivska
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STAKHANOV WAGON (SVGZ UZ)

Price: USD 0.39 Market Cap: USD 89mn

| | EV/S | P/E | EV/EBITDA | Div. Yield |
|-------|------|-----|-----------|------------|
| 2011E | 0.3 | 3.4 | 2.6 | 0.0% |
| 2012E | 0.2 | 2.3 | 2.2 | 0.0% |

NEWS

Railcar manufacturer Stakhanov Wagon announced its production and financial results in FY11 this morning (Jan 26). The company produced 6,810 freight railcars in 2011, a 5% YoY decrease. Stakhanov's revenue increased by 21% YoY to UAH 3.50bn (USD 437mn) and the company's net profit for the year was UAH 206mn (USD 26mn).

COMMENTARY

Stakhanov Wagon fell short of its freight car production guidance of freight of 8,000 units in 2011 by 15%, and our forecast of 7,900 units by 14%. The company explained that it had a shortage of large-scale casting supply during 2H11.

The financial results also were lower than our forecasts by 13% in revenue and 15% in net profit. We modeled Stakhanov Wagon's FY11 top and bottom lines at USD 502mn and USD 30mn respectively, implying an EBITDA margin of 9% and a net margin of 6.1%. Despite these results we maintain our BUY recommendation for the SVGZ stock with a target price of USD 1.69.

EAVEX RECOMMENDATIONS

| Name | Ticker | Price, USD per share | Target price, USD per share | Upside, % | Rating | Commentary |
|------------------------------|---------|----------------------|-----------------------------|-----------|--------|--|
| Steel | | | | | | |
| Azovstal | AZST | 0.17 | 0.15 | -12% | SELL | AZST is expected to post poor earnings in FY12 on a 10% YoY drop in steel prices and weak demand. |
| Iron Ore | | | | | | |
| Ferrexpo | FXPO LN | 5.17 | 5.71 | 10% | BUY | Ferrexpo plans to expand iron ore pellet making capacity from its own ore by 33% to 12mn tonnes by 1Q13. |
| Pivnichny GOK | SGOK | 1.23 | 1.77 | 43% | BUY | We expect SGOK to distribute USD 550mn in dividends in spring 2012, implying a DPS of USD 0.24. |
| Centralny GOK | CGOK | 0.83 | 1.30 | 56% | BUY | CGOK is a strong dividend play. A DPS of USD 0.23 is expected to be declared in spring 2012. |
| Coke | | | | | | |
| Avdyivka Coke | AVDK | 0.74 | 1.86 | 150% | BUY | AVDK's order book is secure thanks to its integration with Metinvest, Ukraine's largest M&M holding. |
| Yasynivsky Coke | YASK | 0.18 | 0.44 | 145% | BUY | Secured supply of high quality coking coal, main inputs, allows YASK to produce premium-class coke. |
| Alchevsk Coke | ALKZ | 0.025 | 0.030 | 19% | SELL | ALKZ heavily distorts its financial results, with no expected improvement in the medium term. |
| Coal | | | | | | |
| Pokrovske Mine | SHCHZ | 0.16 | 0.36 | 128% | BUY | We expect SHCHZ to double its coking coal extraction to 9.5mn tonnes over 2010-15. |
| Railcar Manufacturing | | | | | | |
| Stakhanov Wagon | SVGZ | 0.39 | 1.69 | 331% | BUY | We expect a 18% CAGR in sales for 2010-2015E, as the company's key clients should resubmit orders which were deferred due to the global economic downturn. |
| Krukiv Wagon | KVBZ | 2.88 | 6.44 | 124% | BUY | Krukiv Wagon is well-positioned to benefit from rebounding demand on the CIS railcar market. We estimate that its revenue will rise at a 11% CAGR in 2010-2015E. |
| LuhanskTeplovoz | LTPL | 0.28 | 0.64 | 126% | BUY | LuhanskTeplovoz's incorporation into TransMashHolding should help it to exploit its already-dominant position on the Russian market for diesel locomotives. |
| Specialized Machinery | | | | | | |
| Bogdan Motors | LUAZ | 0.026 | 0.064 | 145% | BUY | Bogdan Motors is set to see its top line jump by 2.3x YoY to USD 534mn in 2011, thanks in large part to the consolidation of Hyundai import sales on its income statement. |
| Motor Sich | MSICH | 262 | 616 | 135% | BUY | Motor Sich should see its sales grow with a 2010-2014E CAGR of 15%. For 2011-2014, we forecast average EBITDA of 31% and net margin of 26%. |
| Sumy Frunze | SMASH | 0.5 | -- | -- | SELL | A selloff of a majority of production assets will adversely impact the company's earning power. |
| Turboatom | TATM | 0.62 | 1.09 | 75% | BUY | Turboatom's order book is valued at \$310mn, representing growth of 25% since June 2010. |
| Telecom | | | | | | |
| Ukrtelecom | UTLM | 0.055 | -- | -- | SELL | Fixed-line long distance revenue is stagnating, with increasing competition from mobile operators. |
| Oil & Gas | | | | | | |
| JKX Oil & Gas | JKX | 2.4 | 6.0 | 154% | BUY | The expected start of operations in JKX's Russian gas field should lift output. |
| Power Utilities | | | | | | |
| DonbasEnergO | DOEN | 3.35 | 8.90 | 166% | BUY | DonbasEnergO recently launched Ukraine's most efficient power generation unit. |
| KrymEnergO | KREN | 0.18 | 0.68 | 282% | BUY | We forecast that KrymEnergO's EBITDA margin will jump by 8 p.p. by 2014 |
| CenterEnergO | CEEN | 1.02 | 2.60 | 156% | BUY | CenterEnergO is expected to return to profits in 2011-2012. |
| DniproEnergO | DNEN | 80.9 | 74.0 | -9% | SELL | |
| ZakhidEnergO | ZAEN | 29.9 | 37.8 | 27% | SELL | The company has a large debt burden. Its debt-to-equity ratio was 2.7x in 1Q11. |
| Consumer | | | | | | |
| MHP | MHPC | 12.3 | 24.0 | 96% | BUY | We forecast that MHP's sales will grow by a CAGR of 12.6% in 2010-2018. |
| Astarta | AST | 17.49 | 30.0 | 72% | BUY | Astarta's revenue should grow by 54% YoY to USD 450mn in 2011, and with a 2011-2016 CAGR of 15%. 2011E EBITDA of USD 138mn implies a margin of 31%, compared the peer median of 16%. |
| Avangardco | AVGR | 7.09 | 28.3 | 299% | BUY | Avangard operates with a gross margin of 36% vs. the industry avg of 22% and expects to raise its output by 56% by 2015, to 6.8bn eggs. Exports to the EU and MENA markets will be sales growth drivers. |
| Agroton | AGT | 5.96 | 11.45 | 92% | SELL | Despite expected net profit growth of 43% CAGR during 2010-2015, our DCF and comparative valuations both show that the stock trades at a significant premium to its peers. |
| Sintal | SNPS | 1.61 | 4.33 | 169% | HOLD | We model sales as growing at 25% CAGR to USD 182mn and EBITDA increasing at 3.5% CAGR to USD 42mn over 2011-2016. We like Sintal fundamentally, but we believe the stock is fairly valued. |
| MCB Agricole | 4GW1 | 1.85 | 4.53 | 145% | BUY | Sales should grow by a 2011-2016 CAGR of 13.5% to USD 112mn with a gross margin of 28%. EBITDA is modeled as moving up at 3.5% per year to USD 23.5mn in 2016, implying an EBITDA margin of 21%. |
| Concern Galnaftogaz | GLNG | 0.024 | 0.030 | 24% | BUY | Galnaftogaz has announced a plan to aggressively expand its filling station network. |
| Chemicals | | | | | | |
| Stirol | STIR | 4.08 | 9.20 | 126% | BUY | A new deal between the Ukrainian and Russian governments on a revised import gas pricing formula for Ukraine should be a strong trigger for Stirol's share price. |
| Banks | | | | | | |
| Raiffeisen Bank Aval | BAVL | 0.016 | 0.063 | 284% | HOLD | The bank enjoys a high net interest margin of 7%. RBA will return to profitability in 2011. |
| Urksotsbank | USCB | 0.02 | 0.13 | 475% | BUY | USCB is the best listed Ukrainian bank in terms of cost efficiency, with a cost/income ratio of ~30%. |
| Bank Forum | FORM | 0.18 | -- | -- | SELL | Forum suffers from a low quality of earnings, a low net interest margin of 2.9%, and a high cost/income ratio of 100%+. |

Source: Eavex Research

PRICES AND QUOTES

| Name | Ticker | Today, UAH* | 52 high, UAH* | 52 low, UAH* | Absolute performance | | | | Performance relative to the UX index | | | |
|------------------------------|--------|----------------|------------------|-----------------|----------------------|--------|--------|--------|--------------------------------------|--------|--------|--------|
| | | | | | 1d | 1w | 1m | ytd | 1d | 1w | 1m | ytd |
| UX Index | UX | 1426.75 | 2962.58 | 1258.08 | 0.3% | 2.1% | -2.3% | -2.2% | 0.0% | 0.0% | 0.0% | 0.0% |
| Steel | | | | | | | | | | | | |
| Alchevsk Steel | ALMK | 0.102 | 0.26 | 0.04 | 0.6% | 1.2% | 0.7% | 0.7% | 0.3% | -0.9% | 3.0% | 2.9% |
| Azovstal | AZST | 1.39 | 3.36 | 0.80 | -0.6% | 1.5% | -1.8% | 0.9% | -0.9% | -0.6% | 0.5% | 3.1% |
| Dniprospezstal | DNSS | 1,500 | 2,400 | 1,000 | 0.0% | -25.0% | 9.4% | -25.0% | -0.3% | -27.1% | 11.8% | -22.8% |
| Enakievo Steel | ENMZ | 65 | 198 | 37 | -0.8% | 8.7% | -6.5% | -6.7% | -1.1% | 6.7% | -4.1% | -4.5% |
| Arcelor Mittal KR | KSTL | 3.50 | 7.10 | 2.15 | 0.0% | 6.1% | -48.1% | -48.1% | -0.3% | 4.0% | -45.8% | -45.9% |
| Mariupol Ilyicha | MMKI | 0.24 | 0.90 | 0.20 | 4.3% | 9.1% | -4.0% | -14.3% | 4.1% | 7.0% | -1.7% | -12.1% |
| Zaporizhstal | ZPST | 3.90 | 5.99 | 3.00 | 0.0% | 0.0% | -2.5% | -2.5% | -0.3% | -2.1% | -0.2% | -0.3% |
| Coke | | | | | | | | | | | | |
| Alchevsk Coke | ALKZ | 0.20 | 0.68 | 0.13 | 0.0% | -16.7% | 5.3% | 5.3% | -0.3% | -18.7% | 7.6% | 7.5% |
| Avdyvka Coke | AVDK | 6.0 | 18.0 | 5.7 | 0.5% | 1.9% | -7.7% | -3.6% | 0.2% | -0.2% | -5.4% | -1.4% |
| Yasynivsky Coking | YASK | 1.44 | 5.47 | 0.94 | 0.7% | -0.7% | 4.3% | 3.6% | 0.4% | -2.8% | 6.7% | 5.8% |
| Iron Ore Mining | | | | | | | | | | | | |
| Centralny GOK | CGOK | 6.67 | 9.20 | 5.00 | 0.2% | -0.3% | 3.6% | 3.6% | -0.1% | -2.4% | 5.9% | 5.8% |
| Ferrexpo | FXPO | 5.15 | 8.30 | 3.67 | -0.9% | -1.0% | 22.1% | 23.6% | -1.1% | -3.1% | 24.5% | 25.8% |
| Pivnichny GOK | SGOK | 9.9 | 15.9 | 8.2 | -0.8% | -0.8% | 15.2% | 8.1% | -1.1% | -2.9% | 17.6% | 10.3% |
| Coal Mining | | | | | | | | | | | | |
| Pokrovske Mine | SHCHZ | 1.27 | 5.39 | 0.95 | -0.8% | 4.1% | 21.0% | 16.5% | -1.0% | 2.0% | 23.3% | 18.7% |
| Komsomolets Donbasa | SHKD | 1.15 | 5.25 | 0.90 | 0.0% | -4.2% | 17.3% | 21.1% | -0.3% | -6.2% | 19.7% | 23.3% |
| Energy Coal | CLE | 6.40 | 8.10 | 5.15 | -0.5% | -0.5% | 3.7% | 2.5% | -0.7% | -2.6% | 6.0% | 4.7% |
| Mining Machinery | | | | | | | | | | | | |
| Druzhkivka Machinery | DRMZ | 1.79 | 4.00 | 0.90 | 0.0% | 0.0% | -4.8% | 0.0% | -0.3% | -2.1% | -2.4% | 2.2% |
| Svitlo Shakhtara | HMBZ | 0.45 | 1.69 | 0.22 | 0.0% | 0.0% | 0.0% | 7.1% | -0.3% | -2.1% | 2.3% | 9.3% |
| Pipe Manufacturing | | | | | | | | | | | | |
| Khartsyzk Pipe | HRTR | 1.05 | 1.39 | 0.83 | 0.0% | 0.0% | 12.9% | 12.9% | -0.3% | -2.1% | 15.2% | 15.1% |
| Interpipe NTRP | NITR | 2.60 | 14.60 | 2.35 | 0.0% | 10.6% | 10.6% | 10.6% | -0.3% | 8.6% | 13.0% | 12.8% |
| Interpipe NMPP | NVTR | 0.89 | 2.75 | 0.38 | 0.0% | -1.1% | 21.9% | 41.3% | -0.3% | -3.2% | 24.3% | 43.5% |
| Railcar Manufacturing | | | | | | | | | | | | |
| Kryukiv Wagon | KVBZ | 23.1 | 39.6 | 15.1 | 0.4% | 4.0% | -0.1% | 0.4% | 0.2% | 1.9% | 2.3% | 2.6% |
| Luhanskteplovoz | LTPL | 2.27 | 5.16 | 1.95 | 2.7% | 0.9% | 11.3% | -1.3% | 2.4% | -1.2% | 13.6% | 0.9% |
| Mariupol Heavy Machine | MZVM | 0.2 | 16.3 | 0.1 | -13.6% | -9.5% | -9.5% | -9.5% | -13.9% | -11.6% | -7.2% | -7.3% |
| Stakhanov Wagon | SVGZ | 3.15 | 11.63 | 2.73 | 2.6% | 6.4% | 1.6% | 3.6% | 2.3% | 4.3% | 4.0% | 5.8% |
| Specialized Machinery | | | | | | | | | | | | |
| Bogdan Motors | LUAZ | 0.21 | 0.34 | 0.15 | 2.4% | -8.8% | 7.6% | -8.7% | 2.2% | -10.9% | 9.9% | -6.5% |
| Motor Sich | MSICH | 2,102 | 3,868 | 1,609 | 0.6% | 1.5% | -2.5% | -5.7% | 0.3% | -0.5% | -0.2% | -3.5% |
| Sumy Frunze Engineering | SMASH | 4.0 | 17.0 | 2.5 | -4.3% | -8.6% | 9.2% | 18.2% | -4.6% | -10.7% | 11.6% | 20.4% |
| Turboatom | TATM | 5.00 | 5.85 | 3.72 | 0.0% | 0.0% | 6.4% | 0.0% | -0.3% | -2.1% | 8.7% | 2.2% |
| WESTA ISIC | WES | 1.05 | 4.33 | 0.80 | 12.8% | 19.3% | 19.7% | 21.1% | 12.5% | 17.3% | 22.0% | 23.3% |
| Telecom | | | | | | | | | | | | |
| Ukrtelecom | UTLM | 0.44 | 0.65 | 0.35 | 0.7% | 0.5% | -1.8% | -0.2% | 0.4% | -1.6% | 0.6% | 2.0% |
| Oil & Gas | | | | | | | | | | | | |
| Concern Galnaftogas | GLNG | 0.20 | n/a | n/a | 0.0% | 0.0% | 0.0% | 0.0% | -0.3% | -2.1% | 2.3% | 2.2% |
| JKX Oil | JKX | 2.35 | 5.37 | 1.85 | 2.8% | 10.8% | 9.7% | 11.4% | 2.5% | 8.7% | 12.1% | 13.6% |
| Ukrnafta | UNAF | 345 | 934 | 295 | 0.7% | 2.3% | -16.6% | -4.9% | 0.4% | 0.3% | -14.2% | -2.7% |
| Power Utilities | | | | | | | | | | | | |
| Centrenergo | CEEN | 8.2 | 20.00 | 6.45 | -0.1% | -0.6% | -4.2% | -4.3% | -0.4% | -2.6% | -1.9% | -2.1% |
| Dniproenergo | DNEN | 650 | 1,330 | 488 | 0.0% | 0.8% | 2.5% | 0.0% | -0.3% | -1.2% | 4.9% | 2.2% |
| Donbasenergo | DOEN | 26.9 | 83.7 | 21.0 | -1.7% | -0.7% | -3.1% | -5.9% | -2.0% | -2.7% | -0.8% | -3.7% |
| Zakhidenergo | ZAEN | 240 | 457 | 121 | -5.8% | -5.8% | 2.6% | -4.0% | -6.1% | -7.9% | 5.0% | -1.8% |
| Consumer | | | | | | | | | | | | |
| Agroton | AGT | 5.9 | 15.4 | 5.3 | 1.4% | 6.1% | 3.4% | 8.7% | 1.1% | 4.0% | 5.8% | 10.9% |
| Astarta | AST | 17.2 | 35.8 | 12.9 | 2.2% | 23.1% | 11.0% | 14.1% | 2.0% | 21.1% | 13.3% | 16.3% |
| Avangardo | AVGR | 7.1 | 21.0 | 6.0 | -2.2% | 11.7% | 13.4% | 6.8% | -2.5% | 9.6% | 15.8% | 9.0% |
| Industrial Milk Company | IMC | 2.5 | 4.2 | 2.1 | -1.0% | 4.5% | 12.5% | 11.6% | -1.3% | 2.4% | 14.9% | 13.8% |
| Kernel | KER | 20.5 | 31.1 | 17.8 | 1.1% | 5.4% | 1.6% | 1.4% | 0.8% | 3.4% | 3.9% | 3.6% |
| Mriya Agro Holding | MAYA | 6.15 | 11.15 | 5.83 | 1.8% | 3.2% | 0.8% | 3.4% | 1.6% | 1.1% | 3.2% | 5.6% |
| MHPC | MHPC | 12.3 | 19.9 | 8.0 | 2.1% | 10.4% | 14.0% | 14.4% | 1.8% | 8.3% | 16.3% | 16.6% |
| Milkiland | MLK | 4.5 | 15.3 | 3.1 | -5.0% | 2.4% | 45.8% | 11.7% | -5.3% | 0.3% | 48.1% | 13.9% |
| Ovostar Union | OVO | 27.44 | 27.44 | 14.68 | 2.3% | 7.6% | 31.5% | 41.0% | 2.1% | 5.5% | 33.8% | 43.2% |
| Sintal | SNPS | 1.6 | 4.9 | 0.8 | 0.2% | 1.5% | 2.2% | 29.6% | -0.1% | -0.5% | 4.5% | 31.8% |
| MCB Agricole | 4GW1 | 1.8 | 3.6 | 1.1 | 5.9% | 18.2% | -14.7% | -8.2% | 5.7% | 16.1% | -12.3% | -6.0% |
| Chemicals | | | | | | | | | | | | |
| Stirol | STIR | 32.8 | 90.7 | 27.5 | -0.5% | 0.8% | -9.7% | -10.8% | -0.7% | -1.3% | -7.3% | -8.6% |
| Banks | | | | | | | | | | | | |
| Raiffeisen Bank Aval | BAVL | 0.132 | 0.5 | 0.1 | 1.3% | 6.3% | 4.7% | -0.2% | 1.0% | 4.2% | 7.0% | 2.1% |
| Bank Forum | FORM | 1.4 | 6.1 | 1.0 | -2.7% | 2.1% | 2.1% | 2.1% | -3.0% | 0.1% | 4.5% | 4.3% |
| UkrSotsbank | USCB | 0.182 | 0.7 | 0.1 | 0.8% | 9.6% | 15.1% | 7.1% | 0.6% | 7.5% | 17.4% | 9.3% |

Source: Bloomberg

* companies listed abroad are in USD

MAIN FINANCIAL FORECASTS, USD MN

| Name | Ticker | Net Sales | | | EBITDA | | | EBITDA margin | | | Net Profit | | | Net Profit margin | | |
|------------------------------|--------|--------------|-------|-------|--------------|-------|-------|---------------|-------|-------|------------|-------|-------|-------------------|-------|-------|
| | | 2010 | 2011E | 2012E | 2010 | 2011E | 2012E | 2010 | 2011E | 2012E | 2010 | 2011E | 2012E | 2010 | 2011E | 2012E |
| Steel | | | | | | | | | | | | | | | | |
| Mariupol Ilyicha | MMKI | 3,133 | 3,866 | 3,358 | 61 | 19 | 12 | 2.0% | 0.5% | 0.4% | -53 | -125 | -165 | neg | neg | neg |
| Arcelor Mittal KR | KSTL | 2,956 | 3,234 | 2,841 | 348 | 488 | 410 | 11.8% | 15.1% | 14.4% | 152 | 238 | 166 | 5.2% | 7.4% | 5.9% |
| Alchevsk Steel | ALMK | 1,341 | 2,392 | 2,173 | -15 | 144 | 88 | neg | 6.0% | 4.0% | -128 | 48 | 9 | neg | 2.0% | 0.4% |
| Yenakievo Steel | ENMZ | 1,117 | 1,647 | 1,315 | -161 | -110 | -146 | neg | neg | neg | -98 | -138 | -175 | neg | neg | neg |
| Azovstal | AZST | 3,000 | 3,805 | 3,458 | 27 | 71 | 55 | 0.9% | 1.9% | 1.6% | -22 | -49 | -55 | neg | neg | neg |
| Zaporizhstal | ZPST | 1,662 | 2,129 | 1,913 | 80 | 43 | 34 | 4.8% | 2.0% | 1.8% | 30 | -6 | -9 | 1.8% | neg | neg |
| DniproSpetzStal | DNSS | 505 | 726 | 616 | 41 | 75 | 58 | 8.2% | 10.4% | 9.4% | 7 | 43 | 21 | 1.4% | 5.9% | 3.4% |
| Coke | | | | | | | | | | | | | | | | |
| Avdyivka Coke | AVDK | 886 | 1,375 | 1,198 | 68 | 65 | 52 | 7.6% | 4.7% | 4.4% | -3 | 13 | 3 | neg | 1.0% | 0.2% |
| Alchevsk Coke | ALKZ | 747 | 789 | 716 | 7 | 9 | 3 | 0.9% | 1.1% | 0.4% | -4 | -2 | -9 | neg | neg | neg |
| Yasnyivsky Coke | YASK | 443 | 569 | 486 | 21 | 43 | 37 | 4.8% | 7.5% | 7.6% | 9 | 22 | 19 | 2.0% | 3.9% | 3.9% |
| Iron Ore Mining | | | | | | | | | | | | | | | | |
| Centralny GOK | CGOK | 558 | 757 | 682 | 300 | 455 | 394 | 53.7% | 60.0% | 57.8% | 162 | 295 | 245 | 29.0% | 38.9% | 36.0% |
| Pivnichny GOK | SGOK | 1,256 | 1,732 | 1,583 | 747 | 1,117 | 978 | 59.5% | 64.5% | 61.8% | 333 | 687 | 580 | 26.5% | 39.7% | 36.6% |
| Ferrexpo | FXPO | 1,295 | 1,730 | 1,603 | 585 | 804 | 695 | 45.2% | 46.5% | 43.4% | 425 | 600 | 500 | 32.8% | 34.7% | 31.2% |
| Coal Mining | | | | | | | | | | | | | | | | |
| Komsomolets Donbasa | SHKD | 151 | 161 | 187 | 47 | 50 | 57 | 31.4% | 31.0% | 30.7% | -3 | 6 | 8 | neg | 3.5% | 4.5% |
| Pokrovske Mine | SHCHZ | 388 | 414 | 476 | 71 | 125 | 152 | 18.4% | 30.2% | 31.9% | -10 | 29 | 52 | neg | 7.0% | 10.8% |
| Mining Machinery | | | | | | | | | | | | | | | | |
| Druzhkivka Machinery | DRMZ | 125 | 85 | 95 | 15 | 11 | 12 | 11.9% | 12.3% | 13.0% | 11 | 6 | 8 | 9.0% | 6.6% | 8.0% |
| Svitlo Shakhtara | HMBZ | 52 | 61 | 66 | 13 | 15 | 16 | 24.7% | 24.3% | 23.7% | 7 | 8 | 9 | 13.8% | 14.0% | 13.8% |
| Pipe Manufacturing | | | | | | | | | | | | | | | | |
| Khartsyzk Pipe | HRTR | 336 | 565 | 485 | 48 | 79 | 68 | 14.2% | 14.0% | 14.0% | 22 | 79 | 41 | 6.4% | 13.9% | 8.6% |
| Interpipe NTRP | NITR | 586 | 678 | 773 | 40 | 81 | 108 | 6.9% | 12.0% | 14.0% | -32 | 10 | 38 | neg | 1.4% | 4.9% |
| Interpipe NMPP | NVTR | 150 | 181 | 212 | 10 | 11 | 21 | 6.6% | 5.9% | 10.0% | -8 | -5 | 3 | neg | neg | 1.3% |
| Railcar Manufacturing | | | | | | | | | | | | | | | | |
| Mariupol Heavy Machine | MZVM | 332 | 97 | 99 | 12 | -14 | -17 | 3.7% | neg | neg | -21 | -25 | -17 | neg | neg | neg |
| LuganskTeplovoz | LTPL | 108 | 166 | 196 | 0 | 8 | 11 | neg | 4.9% | 5.8% | -1 | 1 | 3 | neg | 0.4% | 1.3% |
| Krjukiv Wagon | KVBZ | 509 | 730 | 795 | 73 | 97 | 103 | 14.4% | 13.3% | 13.0% | 38 | 61 | 67 | 7.4% | 8.4% | 8.4% |
| Stakhanov Wagon | SVGZ | 363 | 502 | 602 | 37 | 45 | 54 | 10.1% | 9.0% | 9.0% | 33 | 30 | 38 | 9.0% | 6.1% | 6.3% |
| Specialized Machinery | | | | | | | | | | | | | | | | |
| Sumy Frunze Engineering | SMASH | 287 | 318 | 339 | 35 | 36 | 37 | 12.1% | 11.4% | 10.9% | 40 | 8 | 11 | 14.1% | 2.6% | 3.2% |
| Turboatom | TATM | 119 | 150 | 180 | 36 | 47 | 55 | 30.1% | 31.2% | 30.6% | 24 | 32 | 37 | 20.0% | 21.2% | 20.3% |
| Motor Sich | MSICH | 631 | 767 | 873 | 220 | 242 | 272 | 34.9% | 31.6% | 31.1% | 157 | 208 | 234 | 25.0% | 27.1% | 26.8% |
| Auto Industry | | | | | | | | | | | | | | | | |
| Bogdan Motors | LUAZ | 229 | 534 | 627 | 35 | 53 | 62 | 15.5% | 10.0% | 9.9% | -34 | 4 | 13 | neg | 0.7% | 2.1% |
| Telecom | | | | | | | | | | | | | | | | |
| Ukrtelecom | UTLM | 848 | 908 | 900 | 165 | 200 | 234 | 19.5% | 22.0% | 26.0% | -33 | 31 | 70 | neg | 3.4% | 7.8% |
| Oil & Gas | | | | | | | | | | | | | | | | |
| Ukrnafta | UNAF | 2,501 | 3,000 | 2,404 | 553 | 492 | 841 | 22.1% | 16.4% | 35.0% | 331 | 429 | 551 | 13.2% | 14.3% | 22.9% |
| Concern Galnaftogaz | GLNG | 1,141 | 1,426 | 1,659 | 82 | 117 | 141 | 7.2% | 8.2% | 8.5% | 39 | 50 | 67 | 3.4% | 3.5% | 4.0% |
| JXX Oil & Gas | JKX | 193 | 266 | 392 | 128 | 173 | 255 | 66.4% | 65.0% | 65.0% | 21 | 75 | 121 | 11.0% | 28.2% | 30.9% |
| Electric Utilities | | | | | | | | | | | | | | | | |
| CentrEnerg | CEEN | 708 | 896 | 1,051 | 28 | 73 | 109 | 4.0% | 8.2% | 10.4% | 1 | 40 | 61 | 0.2% | 4.5% | 5.8% |
| DniproEnergo | DNEN | 770 | 918 | 1,058 | 85 | 127 | 128 | 11.0% | 13.8% | 12.1% | 24 | 36 | 55 | 3.1% | 3.9% | 5.2% |
| DonbasEnergo | DOEN | 379 | 491 | 589 | -6 | 17 | 32 | neg | 3.5% | 5.4% | -18 | 3 | 11 | neg | 0.6% | 1.9% |
| ZakhidEnergo | ZAEN | 618 | 784 | 920 | 11 | 31 | 54 | 1.7% | 4.0% | 5.9% | -23 | 24 | 24 | neg | 3.0% | 2.6% |
| Consumer | | | | | | | | | | | | | | | | |
| Slavutych Brewery | SLAV | 355 | 448 | 469 | 97 | 120 | 124 | 27.4% | 26.7% | 26.4% | 53 | 63 | 72 | 14.9% | 14.1% | 15.3% |
| Sun InBev Ukraine | SUNI | 436 | 494 | 543 | 114 | 139 | 155 | 26.2% | 28.1% | 28.6% | 54 | 78 | 92 | 12.3% | 15.8% | 16.9% |
| MHP | MHPC | 944 | 999 | 1,061 | 325 | 355 | 375 | 34.4% | 35.5% | 35.3% | 215 | 211 | 208 | 22.8% | 21.1% | 19.6% |
| Kernel | KER | 1,020 | 1,550 | 1,590 | 190 | 300 | 290 | 18.6% | 19.4% | 18.2% | 152 | 194 | 187 | 14.9% | 12.5% | 11.8% |
| Astarta | AST | 245 | 375 | 425 | 119 | 138 | 127 | 40.5% | 30.6% | 24.9% | 91 | 105 | 95 | 31.2% | 23.2% | 18.6% |
| Avangardco | AVGR | 440 | 603 | 689 | 194 | 255 | 305 | 44.0% | 42.3% | 44.3% | 185 | 220 | 252 | 42.0% | 36.5% | 36.6% |
| Agroton | AGT | 57 | 103 | 122 | 6 | 33 | 42 | 9.7% | 32.6% | 34.4% | -14 | 12 | 19 | neg | 11.2% | 15.3% |
| Sintal | SNPS | 45 | 60 | 83 | 6 | 14 | 23 | 12.8% | 24.0% | 27.6% | 2 | 11 | 18 | 4.4% | 17.7% | 21.7% |
| MCB Agricole | 4GW1 | 37 | 59 | 70 | 8 | 20 | 21 | 20.2% | 33.3% | 29.5% | 6 | 17 | 19 | 15.6% | 29.2% | 27.1% |
| Chemicals | | | | | | | | | | | | | | | | |
| Stirol | STIR | 270 | 584 | 749 | -56 | 6 | 52 | neg | 1.0% | 7.0% | -83 | -26 | 13 | neg | neg | 1.7% |
| Banks | | | | | | | | | | | | | | | | |
| | | Total Assets | | | Total Equity | | | Total Income | | | Net Profit | | | Return on Equity | | |
| Raiffeisen Bank Aval | BAVL | 6,948 | 7,020 | 7,476 | 812 | 861 | 924 | 708 | 722 | 642 | 0 | 51 | 63 | 0.0% | 6.2% | 7.0% |
| UkrSotsbank | USCB | 5,227 | 4,971 | 5,021 | 825 | 879 | 873 | 445 | 476 | 466 | 4 | 66 | 88 | 0.5% | 7.7% | 10.1% |
| Bank Forum | FORM | 1,761 | 1,935 | 2,126 | 96 | 281 | 306 | 72 | 164 | 186 | 72 | 164 | 186 | 43.5% | 86.8% | 63.5% |

Source: Eavex Research

MAIN TRADING MULTIPLES

| Ticker | MCap USD mn | Free Float % USD mn | EV USD mn | P/E | | | EV/EBITDA | | | EV/Sales | | | EV/Output | | | Units | | |
|------------------------------|----------------|------------------------|--------------|------|-------|-------|-----------|-------|-------|----------|-------|-------|-----------|-------|-------|-------|------|-------------|
| | | | | 2010 | 2011E | 2012E | 2010 | 2011E | 2012E | 2010 | 2011E | 2012E | 2010 | 2011E | 2012E | | | |
| Steel | | | | | | | | | | | | | | | | | | |
| Mariupol Ilyicha | MMKI | 369 | 0.9% | 3 | 341 | neg | neg | neg | 5.6 | 17.7 | 27.5 | 0.1 | 0.1 | 0.1 | 62 | 54 | 50 | \$/tonne |
| Arcelor Mittal KR | KSTL | n/a | 2.9% | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | \$/tonne |
| Alchevsk Steel | ALMK | 328 | 3.9% | 13 | 950 | neg | 6.8 | >30 | neg | 6.6 | 10.9 | 0.7 | 0.4 | 0.4 | 328 | 283 | 255 | \$/tonne |
| Yenakievo Steel | ENMZ | 85 | 9.0% | 8 | 62 | neg | neg | neg | neg | neg | neg | 0.1 | 0.0 | 0.0 | 25 | 23 | 23 | \$/tonne |
| Azovstal | AZST | 727 | 4.1% | 30 | 691 | neg | neg | neg | 26.1 | 9.7 | 12.5 | 0.2 | 0.2 | 0.2 | 123 | 116 | 111 | \$/tonne |
| Zaporizhstal | ZPST | 1,282 | 2.7% | 35 | 1,478 | >30 | neg | neg | 18.5 | >30 | >30 | 0.9 | 0.7 | 0.8 | 435 | 388 | 353 | \$/tonne |
| DniproSpetzStal | DNSS | 200 | 14.5% | 29 | 361 | 27.8 | 4.7 | 9.4 | 8.7 | 4.8 | 6.2 | 0.7 | 0.5 | 0.6 | 949 | 791 | 659 | \$/tonne |
| Coke | | | | | | | | | | | | | | | | | | |
| Avdivka Coke | AVDK | 145 | 9.0% | 13 | 143 | neg | 11.0 | >30 | 2.1 | 2.2 | 2.7 | 0.2 | 0.1 | 0.1 | 41 | 31 | 26 | \$/tonne |
| Alchevsk Coke | ALKZ | 75 | 2.3% | 2 | 98 | neg | neg | neg | 13.9 | 11.4 | >30 | 0.1 | 0.1 | 0.1 | 33 | 28 | 27 | \$/tonne |
| Yasnivsky Coke | YASK | 49 | 9.0% | 4 | 135 | 5.6 | 2.2 | 2.6 | 6.3 | 3.2 | 3.7 | 0.3 | 0.2 | 0.3 | 6.3 | 3.2 | 3.7 | \$/tonne |
| Iron Ore Mining | | | | | | | | | | | | | | | | | | |
| Centralny GOK | CGOK | 972 | 0.5% | 5 | 967 | 6.0 | 3.3 | 4.0 | 3.2 | 2.1 | 2.5 | 1.7 | 1.3 | 1.4 | | | | |
| Pivnichny GOK | SGOK | 2,839 | 0.5% | 16 | 2,957 | 8.5 | 4.1 | 4.9 | 4.0 | 2.6 | 3.0 | 2.4 | 1.7 | 1.9 | | | | |
| Ferrexpo | FXPO | 3,034 | 24.0% | 728 | 3,009 | 7.1 | 5.1 | 6.1 | 5.1 | 3.7 | 4.3 | 2.3 | 1.7 | 1.9 | | | | |
| Coal Mining | | | | | | | | | | | | | | | | | | |
| Komsomolets Donbasa | SHKD | 48 | 5.4% | 3 | 151 | neg | 8.5 | 5.6 | 3.2 | 3.0 | 2.6 | 1.0 | 0.9 | 0.8 | 37 | 35 | 33 | \$/tonne |
| Pokrovskoe Mine | SHCHZ | 134 | 2.0% | 3 | 166 | neg | 4.6 | 2.6 | 2.3 | 1.3 | 1.1 | 0.4 | 0.4 | 0.3 | 2.3 | 1.3 | 1.1 | \$/tonne |
| Mining Machinery | | | | | | | | | | | | | | | | | | |
| Druzhkivka Machinery | DRMZ | 46 | 13.0% | 6 | 46 | 4.1 | 8.2 | 6.1 | 3.1 | 4.4 | 3.7 | 0.4 | 0.5 | 0.5 | | | | |
| Svitlo Shakhtara | HMBZ | 19 | 22.8% | 4 | 18 | 2.6 | 2.2 | 2.0 | 1.4 | 1.2 | 1.1 | 0.3 | 0.3 | 0.3 | | | | |
| Pipe Manufacturing | | | | | | | | | | | | | | | | | | |
| Khartsyzk Pipe | HRTR | 339 | 2.0% | 7 | 379 | 15.7 | 4.3 | 8.2 | 8.0 | 4.8 | 5.6 | 1.1 | 0.7 | 0.8 | 1291 | 872 | 1084 | \$/tonne |
| Interpipe NTRP | NITR | n/a | 4.6% | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | \$/tonne |
| Interpipe NMPP | NVTR | 22 | 7.4% | 2 | 41 | neg | neg | 8.2 | 4.1 | 3.8 | 1.9 | 0.3 | 0.2 | 0.2 | 221 | 192 | 172 | \$/tonne |
| Railcar Manufacturing | | | | | | | | | | | | | | | | | | |
| Mariupol Heavy Machine | MZVM | 0 | 19.5% | 0 | -328 | neg | neg | neg | -26.5 | neg | neg | -1.0 | -3.4 | -3.3 | | | | |
| LuganskTeplovoz | LTPL | 62 | 24.0% | 15 | 75 | neg | >30 | 23.5 | neg | 9.2 | 6.5 | 0.7 | 0.4 | 0.4 | | | | |
| Kruviv Wagon | KVBZ | 329 | 5.0% | 16 | 369 | 8.7 | 5.4 | 4.9 | 5.0 | 3.8 | 3.6 | 0.7 | 0.5 | 0.5 | | | | |
| Stakhanov Wagon | SVGZ | 89 | 8.0% | 7 | 116 | 2.7 | 2.9 | 2.3 | 3.2 | 2.6 | 2.1 | 0.3 | 0.2 | 0.2 | | | | |
| Specialized Machinery | | | | | | | | | | | | | | | | | | |
| Sumy Frunze Engineering | SMASH | 36 | 8.0% | 3 | 62 | 0.9 | 4.2 | 3.3 | 1.8 | 1.7 | 1.7 | 0.2 | 0.2 | 0.2 | | | | |
| Turboatom | TATM | 263 | 12.8% | 34 | 241 | 11.0 | 8.3 | 7.2 | 6.7 | 5.1 | 4.4 | 2.0 | 1.6 | 1.3 | | | | |
| Motor Sich | MSICH | 543 | 24.0% | 130 | 554 | 3.5 | 2.6 | 2.3 | 2.5 | 2.3 | 2.0 | 0.9 | 0.7 | 0.6 | | | | |
| Auto Industry | | | | | | | | | | | | | | | | | | |
| Bogdan Motors | LUAZ | 113 | 11.0% | 12 | 463 | neg | >30 | 8.7 | 13.0 | 8.7 | 7.5 | 2.0 | 0.9 | 0.7 | | | | |
| Telecom | | | | | | | | | | | | | | | | | | |
| Ukrtelecom | UTLM | 1,029 | 7.2% | 74 | 1,376 | neg | >30 | 14.7 | 8.3 | 6.9 | 5.9 | 1.6 | 1.5 | 1.5 | | | | |
| Oil & Gas | | | | | | | | | | | | | | | | | | |
| Ukrnafta | UNAF | 2,323 | 8.0% | 186 | 2,324 | 7.0 | 5.4 | 4.2 | 4.2 | 4.7 | 2.8 | 0.9 | 0.8 | 1.0 | n/a | n/a | n/a | \$/boe |
| Concern Galnaftogaz | GLNG | 486 | 8.5% | 41 | 775 | 12.6 | 9.6 | 7.3 | 9.4 | 6.6 | 5.5 | 0.7 | 0.5 | 0.5 | n/a | n/a | n/a | \$/boe |
| JKX Oil & Gas | JKX | 403 | 50.4% | 203 | 512 | 19.1 | 5.4 | 3.3 | 4.0 | 3.0 | 2.0 | 2.7 | 1.9 | 1.3 | 135 | 93 | 70 | \$/boe |
| Electric Utilities | | | | | | | | | | | | | | | | | | |
| CentrEnerg | CEEN | 375 | 21.7% | 81 | 455 | >30 | 9.4 | 6.2 | 16.1 | 6.2 | 4.2 | 0.6 | 0.5 | 0.4 | 31 | 32 | 29 | \$/MWh |
| DniproEnerg | DNEN | 482 | 2.5% | 12 | 531 | 20.2 | 13.5 | 8.8 | 6.3 | 4.2 | 4.1 | 0.7 | 0.6 | 0.5 | 34 | 35 | 32 | \$/MWh |
| DonbasEnerg | DOEN | 79 | 14.2% | 11 | 117 | neg | 25.3 | 7.2 | neg | 6.8 | 3.6 | 0.3 | 0.2 | 0.2 | 14 | 14 | 13 | \$/MWh |
| ZakhidEnerg | ZAEN | 382 | 4.8% | 18 | 451 | neg | 16.1 | 15.7 | >30 | 14.4 | 8.3 | 0.7 | 0.6 | 0.5 | 40 | 37 | 33 | \$/MWh |
| Consumer | | | | | | | | | | | | | | | | | | |
| Slavutych Brevery | SLAV | n/a | 6.7% | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | | | | |
| Sun InBev Ukraine | SUNI | n/a | 13.0% | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | | | | |
| MHP | MHPC | 1,321 | 34.4% | 455 | 2,118 | 6.1 | 6.3 | 6.4 | 6.5 | 6.0 | 5.7 | 2.2 | 2.1 | 2.0 | 6619 | 6619 | 6619 | \$/tonne |
| Kernel | KER | 1,507 | 58.4% | 880 | 1,973 | 9.9 | 7.8 | 8.1 | 10.4 | 6.6 | 6.8 | 1.9 | 1.3 | 1.2 | | | | |
| Astarta | AST | 431 | 31.0% | 134 | 577 | 4.7 | 4.1 | 4.5 | 4.9 | 4.2 | 4.6 | 2.4 | 1.5 | 1.4 | 2928 | 1783 | 1480 | \$/tonne |
| Avangardco | AVGR | 453 | 22.5% | 102 | 541 | 2.5 | 2.1 | 1.8 | 2.8 | 2.1 | 1.8 | 1.2 | 0.9 | 0.8 | 122 | 93 | 88 | \$/mneqgs |
| Agroton | AGT | 127 | 44.6% | 57 | 159 | neg | 11.1 | 6.8 | 28.7 | 4.8 | 3.8 | 2.8 | 1.6 | 1.3 | 1.2 | 1.1 | 0.9 | \$/'000/ ha |
| Sintal | SNPS | 53 | 36.3% | 19 | 53 | 26.6 | 5.0 | 2.9 | 9.1 | 3.7 | 2.3 | 1.2 | 0.9 | 0.6 | 0.6 | 0.6 | 0.5 | \$/'000/ ha |
| MCB Agricole | 4GW1 | 32 | 24.4% | 8 | 28 | 5.4 | 1.8 | 1.7 | 3.7 | 1.4 | 1.4 | 0.7 | 0.5 | 0.4 | 0.4 | 0.3 | 0.3 | \$/'000/ ha |
| Chemicals | | | | | | | | | | | | | | | | | | |
| Stirol | STIR | 110 | 9.7% | 11 | 161 | neg | neg | 8.5 | neg | 27.6 | 3.1 | 0.6 | 0.3 | 0.2 | 161 | 65 | 59 | \$/tonne |
| Banks | | | | | | | | | | | | | | | | | | |
| Raiffeisen Bank Aval | BAVL | 492 | 4.0% | 20 | | >30 | 9.7 | 7.8 | 0.6 | 0.6 | 0.5 | 0.07 | 0.07 | 0.07 | | | | |
| Ukrsofsbank | USCB | 287 | 4.5% | 13 | | >30 | 5.3 | 4.0 | 0.4 | 0.3 | 0.3 | 0.07 | 0.07 | 0.07 | | | | |
| Bank Forum | FORM | 106 | 4.0% | 4 | | 6.7 | 3.0 | 2.6 | 1.1 | 0.4 | 0.3 | 0.27 | 0.25 | 0.23 | | | | |

Source: Eavex Research

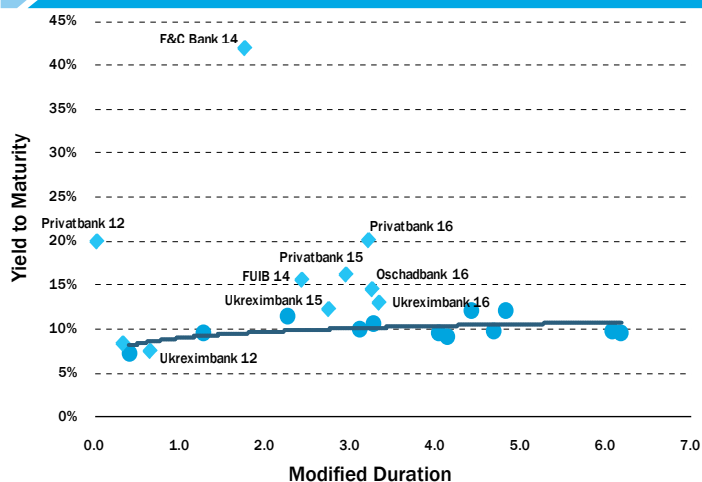
UKRAINIAN EUROBONDS

| Issue | Price (Bid) | Price (Ask) | YTM (Bid) | YTM (Ask) | Price chg. (YTD) | Modified Duration | Coupon | Coupon Period | Maturity Date | Volume mn USD | Ratings ¹ |
|------------------------------|-------------|-------------|-----------|-----------|------------------|-------------------|--------|---------------|---------------|---------------|----------------------|
| Sovereign Eurobonds | | | | | | | | | | | |
| Ukraine, 2012 | 99.3 | 100.0 | 8.19% | 6.33% | -2.80% | 0.4 | 6.385% | S/A | 06.26.2012 | 500 | /B+/B |
| Ukraine, 2013 | 97.1 | 98.0 | 9.90% | 9.20% | 0.58% | 1.3 | 7.65% | S/A | 06.11.2013 | 1000 | /B+/B |
| Naftogaz Ukraine, 2014 | 94.8 | 95.8 | 11.78% | 11.30% | 1.60% | 2.3 | 9.50% | S/A | 09.30.2014 | 1595 | //B |
| Ukraine, 2015 (EUR) | 82.0 | 84.0 | 11.09% | 10.32% | 0.00% | 3.3 | 4.95% | A | 10.13.2015 | 600* | B2/B+/B |
| Ukraine, 2015 | 89.9 | 90.9 | 10.24% | 9.89% | 0.14% | 3.1 | 6.875% | S/A | 09.23.2015 | 500 | B2/B+/B |
| Ukraine, 2016 | 87.8 | 88.8 | 9.81% | 9.53% | 0.28% | 4.0 | 6.58% | S/A | 11.21.2016 | 1000 | B//B |
| Ukraine, 2016-2 | 88.0 | 89.0 | 9.35% | 9.07% | na | 4.1 | 6.25% | S/A | 06.17.2016 | 1250 | B2/B+/B |
| Ukraine, 2017 | 86.6 | 87.5 | 9.81% | 9.59% | 0.07% | 4.7 | 6.75% | S/A | 11.14.2017 | 700 | B2/CCC+/B |
| Ukraine, 2017 Infr. projects | 83.0 | 86.0 | 12.58% | 11.76% | 0.30% | 4.4 | 8.375% | S/A | 11.03.2017 | 568 | B2/-/- |
| Ukraine, 2018 Infr. projects | 78.6 | 80.8 | 12.41% | 11.83% | na | 4.8 | 7.40% | S/A | 04.20.2018 | 690 | B2/-/- |
| Ukraine, 2020 | 87.3 | 88.5 | 9.96% | 9.73% | 1.15% | 6.1 | 7.75% | S/A | 09.23.2020 | 1500 | B2/B+/B |
| Ukraine, 2021 | 89.3 | 90.3 | 9.74% | 9.56% | na | 6.2 | 7.95% | S/A | 23.02.2021 | 1500 | B2/B+/B |
| Corporate Eurobonds | | | | | | | | | | | |
| Agroton, 2014 | 80.0 | 84.8 | 23.59% | 20.64% | na | 2.1 | 12.50% | S/A | 07.14.2014 | 50 | -/-/B- |
| MHP, 2015 | 92.7 | 94.2 | 13.05% | 12.74% | -10.26% | 2.7 | 10.25% | S/A | 04.29.2015 | 585 | B3//B |
| Avangardco, 2015 | 73.1 | 78.5 | 20.59% | 18.08% | -21.04% | 3.0 | 10.00% | S/A | 10.29.2015 | 200 | -/-/B |
| Mriya, 2016 | 89.0 | 90.6 | 14.52% | 13.96% | na | 3.2 | 10.95% | S/A | 3.30.2016 | 250 | -/B/B- |
| DTEK, 2015 | 94.5 | 96.4 | 11.55% | 10.82% | 3.69% | 2.7 | 9.50% | S/A | 04.28.2015 | 500 | B2//B |
| Metinvest, 2015 | 96.3 | 97.7 | 11.62% | 11.06% | -9.77% | 2.7 | 10.25% | S/A | 05.20.2015 | 500 | B3//B- |
| Metinvest, 2018 | 86.5 | 88.1 | 11.90% | 11.50% | na | 4.4 | 8.75% | S/A | 02.14.2018 | 750 | B2/-/B- |
| Ferrexpo, 2016 | 87.3 | 91.0 | 11.78% | 10.42% | na | 3.4 | 7.875% | S/A | 04.07.2016 | 500 | B2/B+/B |
| Interepipe, 2017 | n/a | n/a | n/a | n/a | n/a | n/a | 10.25% | S/A | 08.02.2017 | 200 | -/B+/B+ |
| Bank Eurobonds | | | | | | | | | | | |
| Alfa Bank Ukr, 2012 | 100.5 | 101.7 | 10.78% | 5.88% | -2.14% | 0.3 | 13.00% | Q | 07.30.2012 | 841 | /CCC+/ |
| Fin&Credit Bank, 2014 | 55.0 | 65.0 | 47.74% | 36.57% | 0.00% | 1.8 | 10.50% | S/A | 01.25.2014 | 100 | Caa1// |
| FUIB, 2014 | 87.7 | 91.2 | 16.37% | 14.72% | 3.27% | 2.4 | 11.00% | Q | 12.31.2014 | 275 | B2//B- |
| Nadra Bank, 2017 | n/a | n/a | n/a | n/a | n/a | 4.1 | 8.00% | A | 06.22.2017 | 175 | WD//WD |
| PrivatBank, 2012 | 99.1 | 100.0 | 35.93% | 5.03% | -0.44% | 0.0 | 8.00% | S/A | 02.06.2012 | 500 | B1//B |
| PrivatBank, 2015 | 80.8 | 82.7 | 16.55% | 15.72% | -16.92% | 2.9 | 9.38% | S/A | 09.23.2015 | 200 | B1//B |
| PrivatBank, 2016 | 59.6 | 63.8 | 21.12% | 18.98% | 2.65% | 3.2 | 8.75% | S/A | 02.09.2016 | 150 | B1//B |
| UkrEximBank, 2012 | 99.0 | 100.0 | 8.20% | 6.71% | 1.27% | 0.7 | 6.80% | S/A | 10.04.2012 | 250 | B1//B |
| UkrEximBank, 2015 | 88.7 | 91.1 | 12.69% | 11.72% | 2.75% | 2.7 | 8.38% | S/A | 04.27.2015 | 750 | B1//B |
| UkrEximBank, 2016 | 72.3 | 75.8 | 15.18% | 13.77% | -24.26% | 3.3 | 8.40% | S/A | 02.09.2016 | 125 | B1//B |
| VAB Bank, 2014 | n/a | n/a | n/a | n/a | n/a | n/a | 10.50% | Q | 06.14.2014 | 125 | WD |
| Oschadbank, 2016 | 84.3 | 86.3 | 13.3% | 12.6% | na | 3.3 | 8.25% | S/A | 03.10.2016 | 700 | B2//B |
| Municipal Eurobonds | | | | | | | | | | | |
| City of Kyiv, 2012 | 98.0 | 99.0 | 10.73% | 9.44% | 1.03% | 0.8 | 8.25% | S/A | 11.26.2012 | 250 | B1/CCC+/B |
| City of Kyiv, 2015 | 83.0 | 85.9 | 13.90% | 12.81% | 4.29% | 3.2 | 8.00% | S/A | 11.06.2015 | 250 | B1/CCC+/B |
| City of Kyiv, 2016 | 85.1 | 86.7 | 13.96% | 13.42% | na | 3.4 | 9.375% | S/A | 06.30.2016 | 300 | B1/CCC+/B |

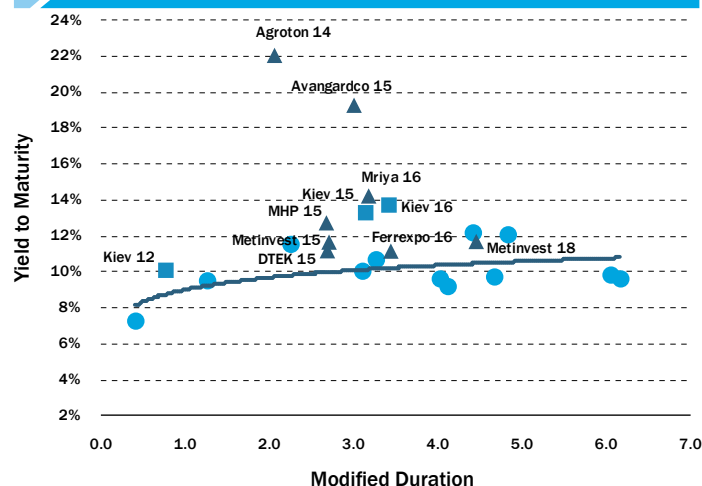
¹ Moody's/S&P/Fitch; * EUR

Source: Bloomberg, Cbonds, Eavex Research

SOVEREIGNS vs. BANKING EUROBONDS



SOVEREIGNS vs. CORPORATE and MUNICIPAL EUROBONDS

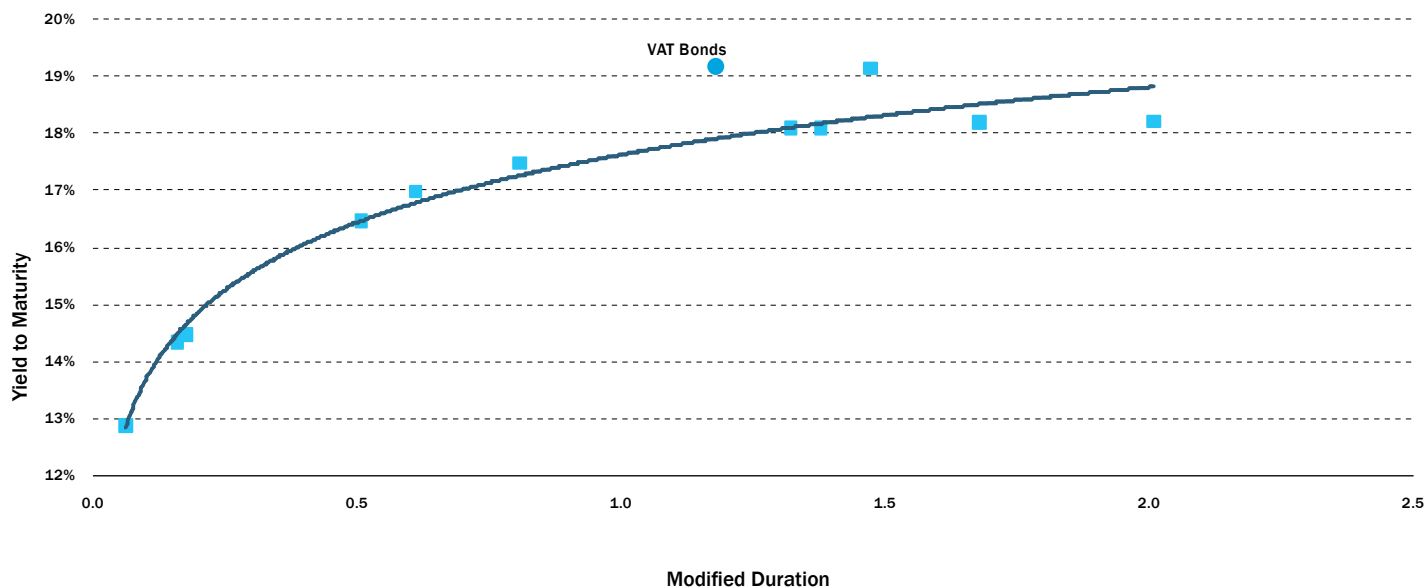


Source: Bloomberg, Cbonds, Eavex Research

UKRAINIAN DOMESTIC BONDS

| Issue | Price (Bid) | Price (Ask) | YTM (Bid) | YTM (Ask) | Modified Duration | Coupon | Coupon Period | Maturity Date | Volume mn USD |
|------------------|-------------|-------------|-----------|-----------|-------------------|--------|---------------|---------------|---------------|
| UA4000048219 | 100.1 | 100.3 | 14.97% | 10.83% | 0.1 | 15.60% | S/A | 02.22.2012 | 363 |
| UA4000053920 | 100.1 | 100.5 | 15.49% | 13.19% | 0.2 | 15.70% | Q | 4/4/2012 | 88 |
| UA4000053912 | 100.1 | 100.5 | 15.50% | 13.46% | 0.2 | 15.70% | S/A | 11/4/2012 | 174 |
| UA4000063564 | 101.5 | 103.2 | 17.99% | 14.99% | 0.5 | 20.00% | S/A | 12/9/2012 | 275 |
| UA4000061451 | 101.8 | 103.2 | 18.00% | 15.98% | 0.6 | 20.00% | S/A | 10.31.2012 | 177 |
| UA4000064018 | 102.2 | 103.9 | 18.49% | 16.49% | 0.8 | 20.00% | S/A | 02.20.2013 | 121 |
| UA4000048508 | 90.5 | 94.0 | 19.50% | 16.74% | 1.3 | 12.00% | S/A | 10.23.2013 | 93 |
| UA4000048391 | 90.3 | 93.9 | 19.49% | 16.74% | 1.4 | 12.00% | S/A | 6/11/2013 | 52 |
| UA4000108823 | 87.1 | 89.2 | 19.91% | 18.41% | 1.5 | 10.97% | S/A | 01.29.2014 | 338 |
| UA4000051403 | 94.2 | 99.1 | 19.73% | 16.73% | 1.7 | 15.60% | S/A | 05.14.2014 | 125 |
| UA4000064166 | 91.5 | 97.5 | 19.75% | 16.75% | 2.0 | 15.00% | S/A | 01.28.2015 | 57 |
| VAT Bonds | | | | | | | | | |
| UA4000082531 | 81.1 | 82.7 | 19.92% | 18.42% | 1.18 | 5.50% | S/A | 08.21.2015 | 256 |
| UA4000082622 | 81.0 | 82.6 | 19.93% | 18.42% | 1.18 | 5.50% | S/A | 08.24.2015 | 1039 |
| UA4000083059 | 80.9 | 82.6 | 19.93% | 18.42% | 1.19 | 5.50% | S/A | 08.25.2015 | 756 |

Source: Bloomberg, Cbonds, Eavex Research

DOMESTIC BONDS YIELD CURVE


Source: Bloomberg, Cbonds, Eavex Research

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