

Stock Market Update

Equity

Kyiv-listed equities finished mixed last week ahead of the Easter holiday weekend. In major economic news, the NBU unexpectedly decided to cut its key refinancing interest rate from 14% to 13%, ignoring the latest data that consumer inflation accelerated to 15% YoY. In making the rate cut, the NBU restated its forecast that inflation will slow to 9.1% YoY by the year-end. The central bank's policy decisions may see some changes in the short term, as current governor Valeria Gontareva announced her resignation last week after almost three years in the post.

The UX index lost 3.2% to close at 1038 points, correcting after three weeks of strong growth. UkrNafta (UNAF) was the main culprit, slumping 17% to UAH 112 per share after the company unveiled an enormous 4Q16 net loss of UAH 161 per share caused by the sudden write-off of unpaid receivables related to suspicious oil sale transactions. On the upside, CentrEnergO (CEEN) climbed 0.4% to UAH 10.73, supported by news that Parliament adopted a new law on electricity regulation that is aimed at eliminating the non-transparent state intermediary EnergoRynok. Raiffeisen Bank Aval (BAVL) remained in its upward trend, adding 0.4% to 25.30 kopecks.

In London, iron ore producer Ferrexpo (FXPO) slid 7.3% to GBp 155 per share following a notable correction in iron ore benchmark prices, which now stand at USD 75 per tonne, down from a peak of USD 95 in late February. Low-liquidity issue MHP (MHPC) was flat near USD 10, and Warsaw-listed Astarta (AST) was also little-changed at PLN 67.50 after reporting a rather weak profit for 4Q16. Highly volatile Agroton (AGT) recovered part of its recent losses, adding 5.0% to close at PLN 6.84 per share. The stock's local maximum was PLN 7.15 per share in mid-February.

The hryvnia strengthened by 0.5% to 26.82 UAH/USD, supported by the arrival of IMF and EU aid.

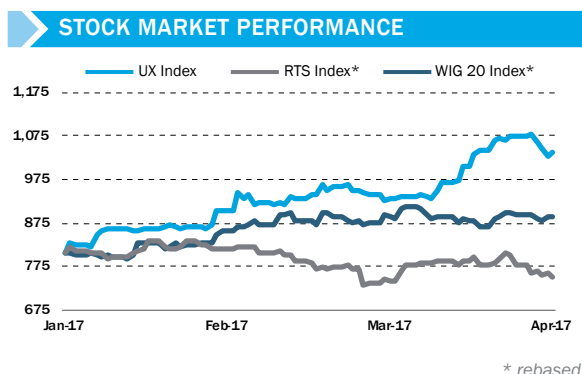
Highlights

POLITICS AND ECONOMICS

- > Tillerson Pays Lip Service to Minsk Deal in First Moscow Visit
- > Headline Inflation Accelerates to 15% in March

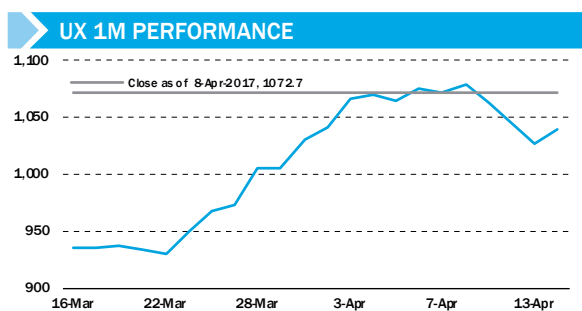
STOCKS IN THE NEWS

- > UkrNafta Reports Stunning USD 350mn 4Q16 Loss
- > Astarta Announces FY16 Profit of PLN 14.35 Per Share



MARKET INDEXES

	Last	1W ch	1M ch	YTD
UX	1038.9	-3.2%	11.4%	30.5%
RTS	1073.2	-3.6%	0.9%	-6.9%
WIG20	2233.6	-0.7%	-0.2%	14.7%
MSCI EM	960.4	-0.1%	2.2%	11.4%
S&P 500	2329.0	-1.1%	-1.5%	4.0%



FIXED INCOME

	Last	1W ch	1M ch	YTD
EMBI+Global	335	2.4%	-0.8%	-8.4%
NBU Key Rate	13.0%	-7.1 p.p.	-7.1 p.p.	-7.1 p.p.
Ukraine-19	7.1%	-1.8 p.p.	-1.7 p.p.	-0.2 p.p.
Ukraine-27	8.9%	0.0 p.p.	-0.1 p.p.	0.2 p.p.
MHP-20	7.6%	-0.1 p.p.	0.0 p.p.	-1.9 p.p.
UZ Rail-21	10.6%	-0.2 p.p.	-0.1 p.p.	-1.1 p.p.

CURRENCY

	Last, UAH	1W ch	1M ch	YTD
USD	26.82	-0.5%	-0.3%	-1.7%
EUR	28.49	-0.3%	-0.1%	0.7%
RUB	0.48	1.4%	5.1%	8.4%

COMMODITIES

	Last	1W ch	1M ch	YTD
Wheat, USD/t*	180.0	0.0%	0.0%	4.0%
Steel, USD/t	450.0	-6.7%	-9.1%	-9.1%
Oil, USD/bbl	55.9	1.2%	9.4%	-1.6%
Gold, USD/oz	1285.7	2.5%	7.2%	11.6%

*Ukraine FOB

Source: Bloomberg, Ukrainian Exchange

Tillerson Pays Lip Service to Minsk Deal in First Moscow Visit

by Will Ritter
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NEWS

New top US diplomat Rex Tillerson appeared to break no new ground in his first trip to Moscow as Secretary of State, meeting with President Putin and Foreign Minister Sergey Lavrov on Apr 13 to discuss the Syrian war as well as Ukraine's Donbass conflict. In comments afterward, Tillerson stressed that fulfilling the Minsk peace agreement of February 2015 for Ukraine's Donbass region is one of the main pathways toward improving US-Russian relations. Lavrov also stated that Russia agrees with the need to implement the Minsk provisions as the way forward in Ukraine. Before traveling to Russia, Tillerson spoke by phone with President Poroshenko and assured him that any deal with Moscow on the Syrian war would not involve trade-offs on Ukraine.

COMMENTARY

Tillerson's initial public position on Ukraine differs little, if at all, from the previous public position of the Obama administration. However, behind the scenes, it remains unclear what the real view of President Trump's administration on the Ukrainian conflict might be, and we in fact doubt that a position has been formulated. The major players in Kyiv, Moscow, Paris and Berlin all know that the key political provisions of Minsk (giving special autonomous status to the Donbass and returning to the pre-2014 border) will never be implemented, and that the real purpose of the agreement has always been simply to tamp down the fighting. However, there is a risk that the Trump administration may not yet grasp this uncomfortable, unstated truth about Minsk. The Obama administration always understood the crucial underlying point that the fate of the Donbass and Crimea are only marginal concerns, while the future of Kyiv and the rest of mainland Ukraine is the real geopolitical issue at stake. In this vein, the Kremlin cares about the Donbass only as a means of influencing the rest of Ukraine. We see Trump and Tillerson as trying to adhere in public to an orthodox neoconservative outlook on Ukraine that will likely leave US sanctions against Moscow in place for the rest of 2017, and this could take some of the heat off of Trump for his alleged campaign ties to the Kremlin. However, it is our hunch that the US congressional investigation into this matter will indeed uncover illicit Trump-Russia links later this year; the real question is what, if anything, might happen to Trump after such revelations are proven and publicized.

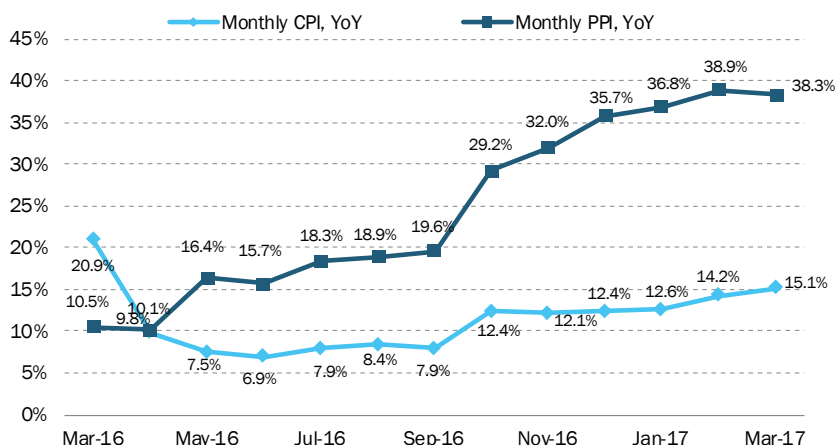
Headline Inflation Accelerates to 15% in March

by Dmitry Churin
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NEWS

Ukraine's State Statistics Committee reported that rolling 12-month consumer inflation accelerated to 15.1% YoY in March from 14.2% in February. On a month-on-month basis the CPI index rose by 1.8% in March, according to data released last week. UkrStat also reported that producer prices were up 3.5% MoM and 38.3% YoY in March.

UKRAINE'S ROLLING 12-MONTH CPI & PPI INFLATION



Source: State Statistics Committee

COMMENTARY

It was rather unexpected that the CPI inflation did not slow down on a year-on-year basis in March. We anticipated more moderate inflation last month, but an IMF-mandated increase in electricity tariffs for both households and industrial users spurred price growth in other categories. Electricity prices for households jumped by 28.1% MoM; the increase for industrial users was 9.4% MoM. Meanwhile, in the food category there was a new surprising swing in UkrStat's reported prices for shell eggs. The price fell 7.3% MoM, putting its drop since the start of the year at 24.6%. Shell egg pricing is crucial for the business of Avangard and Ovostar, whose stocks are listed in London and Warsaw respectively. For now, we are leaving our financial forecasts for both companies unchanged, but in case the shell egg price continues to decline, we will have to downgrade profit forecasts for FY17.

**UkrNafta Reports Stunning
USD 350mn 4Q16 Loss**

by Dmitry Churin
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UKRNAFTA (UNAF UK)

Price: UAH 112 Market Cap: USD 226mn

	P/B	EV/S	P/E	EV/EBITDA	Div. Yield
2016	6.7	0.2	neg	1.9	0.0
2017E	6.5	0.2	3.1	1.4	n/a

NEWS

UkrNafta, Ukraine’s national flagship oil producer, unveiled an enormous net loss of UAH 8.7bn (USD 340mn) for full-year 2016, in an announcement for its shareholder meeting published on Apr 13. The meeting was set for May 18. The full-year loss was entirely due to a UAH 9.2bn loss claimed for the fourth quarter. UkrNafta’s equity decreased by 72% YoY to UAH 2.8bn in FY16 while total assets declined by a moderate 5.7% to UAH 33.2bn. The company has not published its full set of financial results for 2016 yet. However, in a press release, UkrNafta said that despite huge operating losses, its adjusted EBITDA was UAH 2.92bn in FY16 (UAH 6.11bn in FY15). UkrNafta said the “adjusted” EBITDA is net of accrued production tax and penalties for unpaid production tax. Revenue declined by 22% YoY in the hryvnia terms to UAH 22.6bn (USD 885mn) amid a 9.2% decrease in oil production to 1.52mn tonnes (11.0 MMbbl).

COMMENTARY

The situation with UkrNafta has become farcical, with controlling shareholder Igor Kolomoyskiy evidently siphoning funds out of the company ahead of its likely, in our view, takeover by the Ukrainian government (which owns a 50+1 stake but has historically played second fiddle to Kolomoyskiy). UkrNafta had a large amount of low quality trade receivables due from Kolomoyskiy-affiliated oil traders; domestic media has reported that UkrNafta was selling its oil output in 2014-2015 to traders who never paid for the commodity, and in 4Q, management suddenly wrote down all of these bad transactions. In a rough understanding, UkrNafta’s previous management appointed by Kolomoyskiy’s Privat Group intentionally siphoned assets from the company ahead of changes in legislation that were aimed at returning control over the company to the state. This is a similar situation to Kolomoyskiy siphoning funds from PrivatBank via related-party loans in the years leading up to the bank’s nationalization last December. Unfortunately, we see a political element to these shenanigans by Kolomoyskiy, as he effectively has the power to blackmail Ukraine’s central government due to his control over the eastern industrial city of Dnipro (formerly Dnipropetrovsk). With Kolomoyskiy as the main bulwark between Dnipro and pro-Russian separatist activity similar to what occurred in Donetsk in 2014, the oligarch apparently believes he has carte blanche to fleece the Ukrainian state with impunity. Nonetheless, we did not foresee that UkrNafta would choose 4Q16 to book this huge net loss (UAH 9.2bn) after finishing 9M16 with a net profit of UAH 427mn. A separate concern regarding UkrNafta is why the agenda for the annual meeting does not contain the long-awaited issue on a restructuring of the UAH 12.5bn tax debt claimed by the state. The agenda contains only ordinary items relating to confirmation of the FY16 results and the appointment of a new supervisory board. The company’s reported balance sheet structure looks unsustainable unless the tax debt can be restructured. UkrNafta has current assets of UAH 18.8bn while its current liabilities are UAH 28.8bn (both figures as of 31 Dec 2016).

The Kyiv-listed UNAF stock plummeted 15% to UAH 110 per share on the day of the loss announcement. On Friday the stock edged back up by 1.5% to close at UAH 112 per share.

Astarta Announces FY16 Profit of PLN 14.35 Per Share

by Dmitry Churin
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ASTARTA (AST PW)

Price: PLN 67.50 Market Cap: USD 414mn

	EV/S	P/E	EV/EBITDA	Div. Yield
2016	1.4	4.6	3.4	0%
2017E	1.3	3.7	3.4	0%

NEWS

Kyiv-based Astarta Holding, Ukraine's largest sugar producer, posted a net profit of EUR 83mn in full-year 2016 compared to EUR 16mn in FY15, implying earnings per share of PLN 14.35, according to the company's annual report published on Apr 10. Full-year revenue rose by 17.5% YoY to EUR 369mn and EBITDA was up 17.8% YoY to EUR 153mn.

On the balance sheet side, Astarta reported net debt of EUR 146mn and total assets of EUR 575mn as of 31 Dec 2016. The company's net debt to EBITDA ratio was 0.96x at the year-end.

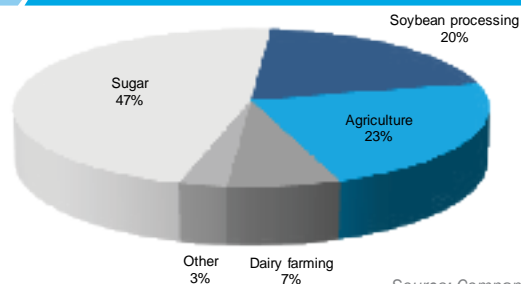
In 4Q16 alone, Astarta had a rather small net profit of EUR 4.0mn while the company's EBITDA was EUR 24.3mn and sales were reported at EUR 152mn in the period.

ASTARTA FINANCIALS

EUR mn	2016	2015	chg.
Net revenue	369	314	+17.5%
EBITDA	153	130	+17.8%
margin	41.6%	41.4%	-0.1 p.p.
Net Income	82.6	15.9	+418%
net margin	22.4%	31.9%	+9.5 p.p.

Source: Company data.

REVENUE BREAKDOWN



Source: Company data.

COMMENTARY

Astarta's FY16 net profit was 15% below our forecast due to a weak net result for 4Q16, although on the EBITDA level, the result met our expectations.

In the key sugar segment, the company increased revenue by 15% YoY to EUR 175mn, with the segment contributing 39% to FY16 EBITDA. There are grounds to assume that the segment will continue to recover as Astarta was operating all eight of its sugar refineries, achieving output of 505,000 tonnes (+42% YoY) in the 2016 production season. Management said that the achieved sugar price in 2016 rose 7% YoY to the equivalent of EUR 423 per tonne. Both factors support our bullish forecast that Astarta will increase its net profit by 30% YoY to EUR 107mn in FY17.

Although Astarta's financials for FY16 look strong, the company's Warsaw-listed stock edged up just 0.4% last week on profit taking. The stock currently trades at PLN 67.50 per share. We reiterate our HOLD recommendation for the issue with a target price of PLN 70.00 per share.

EAVEX RECOMMENDATIONS

Name	Ticker	Price, per share	Target price, per share	Upside, %	Rating	Commentary
Agriculture						
Kernel	KER PW	68.8	80.0	16%	HOLD	With some 95% of its revenue linked to major foreign currencies, hryvnia devaluation is positive for Kernel, and recent changes in Ukraine's tax regime should also benefit the group. With on-demand borrowing access, Kernel is well placed to further consolidate its position in the oilseed crushing industry.
MHP	MHPC LI	10.1	14.0	39%	BUY	MHP could start process of deleveraging which in turn would boost the company's MCap. Also the company has a declared strategy to expand its presence on the MENA and EU markets. MHP continued to increase its export sales, which accounted for 51% of total revenue in 9M16 compared to 45% a year ago.
Astarta	AST PW	67.6	70.0	4%	HOLD	The new VAT regime for agro producers will be largely neutral for Astarta, in our view, while recovery of sugar prices bode well for the company's earnings. Astarta is focused on business diversification and cost optimization via improving its energy and operational efficiency.
Agroton	AGT PW	6.84	12.0	75%	BUY	Agroton unveiled a strategy to increase its land bank from 122,000 ha to 200,000 ha by mid-2019 securing additional lease rights and by acquiring companies that control land plots in Luhansk and Kharkiv region.
IMC	IMC PW	10.0	13.0	31%	BUY	The recent changes in Ukraine's tax legislation are positive for IMC, which is focused growing exportable crops; some 95% of the company's revenue is tied to the dollar. Land bank is targeted to expand by 50% over 2015-20. A high standard of corporate governance makes the stock an attractive play in spite of its low liquidity.
AvangardCo	AVGR LI	0.9	0.3	-65%	SELL	Ukraine's new VAT regime for agro producers is negative for Avangard, as its subsidy reimbursements will be reduced. Large room for cost optimization provides a theoretical upside to earnings, but the company's highly volatile financial results have rendered forecasting unreliable.
Ovostar Union	OVO PW	94.5	110.0	16%	BUY	The company has a strong focus on domestic branded egg sales and successfully expands its export sales to mitigate negative effect from devaluation. Ovostar is in the midst of a long-term expansion that will ultimately see egg output triple over 2012-18E.
Iron Ore						
Ferrexpo	FXPO LN	155.0	150.0	-3%	HOLD	An impressive reduction in the production and other operating cost led to higher profitability. A separate positive factor was an upward price trend for iron ore and steel on global markets.
Specialized Machinery						
Motor Sich	MSICH	2198	5250	139%	BUY	The reported profit for FY16 represents UAH 1052 per share, which means the stock is still valued at P/E of barely more than 2.0x. Our base case scenario forecast for Motor Sich's net profit for FY17 is UAH 2.0bn, implying EPS of UAH 960.
Oil & Gas						
UkrNafta	UNAF	112	270	141%	BUY	UNAF stock has been in a local upward trend since December after Parliament cut the production tax for oil for 2017.
Concern Galnaftogaz	GLNG	0.15	0.24	60%	BUY	Galnaftogaz is pursuing a plan to aggressively expand its filling station network.
Regal Petroleum	RPT LN	4.5	15.0	233%	BUY	Taking into account that Regal acquired PEP's assets for an estimated value of USD 6.8/boe of 2P reserves, we assume that Regal's potential enterprise value could be as much as USD 92mn.
JKX Oil & Gas	JKX LN	18.5	37.0	100%	HOLD	The company's balance sheet looks healthy after it successfully restructured its Eurobonds. An overall demand for natural gas in Ukraine remains strong.
Power Utilities						
DonbasEnergO	DOEN	12.2	9.0	-26%	SELL	The Donetsk separatist government has nationalized DonbasEnergO's Starobeshevo power plant, which previously accounted for about 70% of the company's installed power-generating capacity.
CenterEnergO	CEEN	10.73	15.00	40%	BUY	CenterEnergO'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	0.253	U/R	-	U/R	Raiffeisen Aval has a conservative risk policy, and we therefore assume it will manage to weather the current banking crisis in Ukraine and start to generate profits starting from 2016. The EBRD has purchased a 30% stake in the institution.

Source: Eavex Research

PRICES AND QUOTES

Name	Ticker	Today, UAH*	52 high, UAH*	52 low, UAH*	Absolute performance				Performance relative to the UX index			
					1W	1M	3M	YtD	1W	1M	3M	YtD
UX Index	UX	1038.86	1087.67	594.00	-3.2%	11.4%	25.9%	30.5%	0.0%	0.0%	0.0%	0.0%
Steel												
Alchevsk Steel	ALMK	0.010	n/a	n/a	11.6%	18.5%	6.7%	17.1%	14.8%	7.1%	-19.2%	-13.5%
Coke												
Yasynivsky Coking	YASK	0.190	0.270	0.100	0.0%	90.0%	-29.6%	-29.6%	3.2%	78.6%	-55.5%	-60.2%
Iron Ore Mining												
Ferrexpo	FXPO	155.00	175.60	29.50	-7.3%	3.3%	18.0%	15.2%	-1.1%	-4.1%	-8.0%	-15.3%
Railcar Manufacturing												
Kryukiv Wagon	KVBZ	9.20	n/a	n/a	-2.1%	-3.4%	1.1%	4.5%	1.0%	-14.7%	-24.8%	-26.0%
Specialized Machinery												
Motor Sich	MSICH	2198	2263	934	-1.7%	-1.7%	14.4%	18.3%	1.4%	-13.0%	-11.5%	-12.2%
Turboatom	TATM	12.35	12.40	6.80	4.7%	3.1%	28.6%	32.1%	7.8%	-8.3%	2.8%	1.5%
Telecom												
Ukrtelecom	UTLM	0.130	n/a	n/a	0.0%	8.3%	-21.2%	-21.2%	3.2%	-3.0%	-47.1%	-51.7%
Oil & Gas												
Regal Petroleum	RPT	4.50	5.50	1.75	5.9%	50.0%	33.3%	20.5%	-1.1%	9.0%	38.6%	-10.1%
JKX Oil	JKX	19.38	33.50	16.00	-3.1%	-24.0%	-34.9%	-36.0%	-1.1%	0.0%	-35.4%	-66.5%
Ukrnafta	UNAF	112.0	n/a	n/a	-17.2%	-12.2%	1.9%	8.5%	-14.0%	-23.6%	-23.9%	-22.0%
Power Utilities												
Centrenergy	CEEN	10.73	11.58	5.93	0.4%	-2.1%	2.0%	3.7%	3.6%	-13.5%	-23.8%	-26.9%
Donbasenergy	DOEN	12.24	16.47	9.04	1.6%	-0.4%	5.8%	16.5%	4.7%	-11.8%	-20.1%	-14.1%
Zakhidenergy	ZAEN	69.00	n/a	n/a	3.0%	1.5%	7.8%	10.4%	6.1%	-9.9%	-18.0%	-20.1%
Consumer												
Agroton	AGT	6.84	7.15	1.08	5.2%	27.1%	32.0%	68.9%	-1.1%	8.4%	15.8%	38.4%
Astarta	AST	67.55	70.00	40.00	0.4%	0.5%	12.6%	25.0%	-1.1%	3.5%	-10.8%	-5.6%
Avangardo	AVGR	0.85	1.00	0.26	0.0%	25.0%	142.9%	142.9%	-1.1%	3.2%	13.6%	112.3%
Industrial Milk Company	IMC	9.95	10.00	6.50	-0.5%	6.1%	18.5%	23.6%	-1.1%	2.7%	-5.3%	-6.9%
Kernel	KER	68.75	80.00	48.20	-0.4%	-7.4%	-6.9%	7.7%	-1.1%	2.8%	-18.7%	-22.9%
MHPC	MHPC	10.05	10.50	8.52	0.0%	9.8%	11.7%	14.3%	-1.1%	3.2%	-1.5%	-16.2%
Milkiland	MLK	2.21	2.80	1.56	2.3%	-6.0%	4.7%	10.5%	-1.1%	5.5%	-17.3%	-20.0%
Ovostar Union	OVO	94.49	98.50	84.00	-0.4%	1.7%	11.2%	9.2%	-1.1%	2.8%	-9.7%	-21.3%
Banks												
Raiffeisen Bank Aval	BAVL	0.253	0.262	0.068	0.4%	59.3%	86.6%	91.7%	3.6%	47.9%	60.8%	61.2%

Source: Bloomberg
* companies listed abroad are in traded currency

MAIN FINANCIAL FORECASTS, USD mn

Name	Ticker	Net Sales			EBITDA			EBITDA margin			Net Profit			Net Profit margin		
		2015	2016E	2017E	2015	2016E	2017E	2015	2016E	2017E	2015	2016E	2017E	2015	2016E	2017E
Iron Ore Mining																
Ferrexpo	FXPO	961	986	1,282	313	375	495	32.6%	38.0%	38.6%	31	189	255	3.3%	19.2%	19.9%
Railcar Manufacturing																
Kryukiv Wagon	KVBZ	41	67	55	-15	1	6	-37.1%	0.9%	11.0%	-19	-4	2	-46.3%	-5.9%	3.3%
Specialized Machinery																
Turboatom	TATM	128	98	99	87	33	35	67.9%	34.0%	35.2%	75	27	28	58.3%	28.0%	27.8%
Motor Sich	MSICH	697	655	676	237	180	151	33.9%	27.5%	22.3%	158	86	74	22.6%	13.1%	10.9%
Oil & Gas																
Ukrnafta	UNAF	1,319	885	1,162	-101	115	151	-7.7%	12.9%	13.0%	-250	-343	74	-18.9%	-38.7%	6.3%
Regal Petroleum	RPT	22	25	27	10	10	15	45.5%	40.4%	55.6%	-1	0	1	na	0.0%	3.7%
JKX Oil	JKX	89	80	95	17	29	34	19.1%	36.3%	35.8%	-82	-20	3	-92.1%	-25.0%	3.2%
Electric Utilities																
Centrenergy	CEEN	315	333	391	13	37	40	4.2%	11.0%	10.2%	3	25	26	1.0%	7.4%	6.6%
Donbasenergo	DOEN	190	168	147	-12	6	5	-6.5%	3.5%	3.3%	-9	2	1	-4.6%	1.2%	1.0%
Consumer																
MHP	MHPC	1,183	1,135	1,400	459	415	490	38.8%	36.6%	35.0%	-126	59	170	-10.6%	5.2%	12.1%
Kernel	KER	2,330	1,989	2,128	397	346	381	17.0%	17.4%	17.9%	101	225	282	4.3%	11.3%	13.2%
Astarta	AST	349	402	445	144	167	170	41.4%	41.6%	38.1%	18	90	113	5.1%	22.4%	25.3%
Avangardco	AVGR	230	191	180	-69	1	22	-30.2%	0.4%	12.2%	-158	-57	2	-68.9%	-29.6%	1.1%
Ovostar	OVO	76	84	90	35	40	43	46.0%	47.7%	48.2%	32	35	37	42.3%	41.8%	41.1%
Banks																
		Total Assets			Total Equity			Total Income			Net Profit			Return on Equity		
Raiffeisen Bank Aval	BAVL	1,958	1,984	1,934	261	381	347	216	204	228	-66	150	228	-25.3%	39.4%	65.7%

Source: Eavex Research

MAIN TRADING MULTIPLES

Name	Ticker	MCap USD mn	Free Float % USD mn	EV USD mn	P/E			EV/EBITDA			EV/Sales			
					2015	2016E	2017E	2015	2016E	2017E	2015	2016E	2017E	
Iron Ore Mining														
Ferrexpo	FXPO	1,148	24.0%	276	1,898	>30	6.1	4.5	6.1	5.1	3.8	2.0	1.9	1.5
Railcar Manufacturing														
Krukiv Wagon	KVBZ	39	5.0%	2	34	neg	neg	21.3	neg	>30	5.6	0.8	0.5	0.6
Specialized Machinery														
Turboatom	TATM	55	5.8%	3	-31	0.7	2.0	2.0	-0.4	-0.9	-0.9	-0.2	-0.3	-0.3
Motor Sich	MSICH	169	24.0%	41	123	1.1	2.0	2.3	0.5	0.7	0.8	0.2	0.2	0.2
Oil & Gas														
Ukrnafta	UNAF	225	3.0%	7	215	neg	neg	3.1	neg	1.9	1.4	0.2	0.2	0.2
Regal Petroleum	RPT	18	21.6%	4	-1	neg	n/a	18.2	n/a	n/a	n/a	n/a	n/a	n/a
JKX Oil & Gas	JKX	42	50.4%	21	150	neg	neg	14.0	8.9	5.2	4.4	1.7	1.9	1.6
Electric Utilities														
CentrEnergO	CEEN	147	21.7%	32	115	>30	6.0	5.7	8.8	3.1	2.9	0.4	0.3	0.3
DonbasEnergO	DOEN	11	14.2%	2	24	neg	5.5	7.3	neg	4.1	5.1	0.1	0.1	0.2
Consumer														
MHP	MHPC	1,062	34.1%	362	2,222	neg	17.9	6.2	4.8	5.4	4.5	1.9	2.0	1.6
Kernel	KER	1,377	61.8%	851	1,703	13.6	6.1	4.9	4.3	4.9	4.5	0.7	0.9	0.8
Astarta	AST	424	37.0%	157	572	24.0	4.7	3.8	4.0	3.4	3.4	1.6	1.4	1.3
Avangardco	AVGR	54	22.5%	12	386	neg	neg	27.1	neg	>30	17.5	1.7	2.0	2.1
Ovostar	OVO	143	25.0%	36	147	4.5	4.0	3.9	4.2	3.7	3.4	2.0	1.8	1.6
Banks														
							P/E			P/Book			P/Assets	
Raiffeisen Bank Aval	BAVL	577	1.8%	10		neg	3.8	4.5	2.2	1.5	1.7	0.29	0.29	0.30

Source: Eavex Research

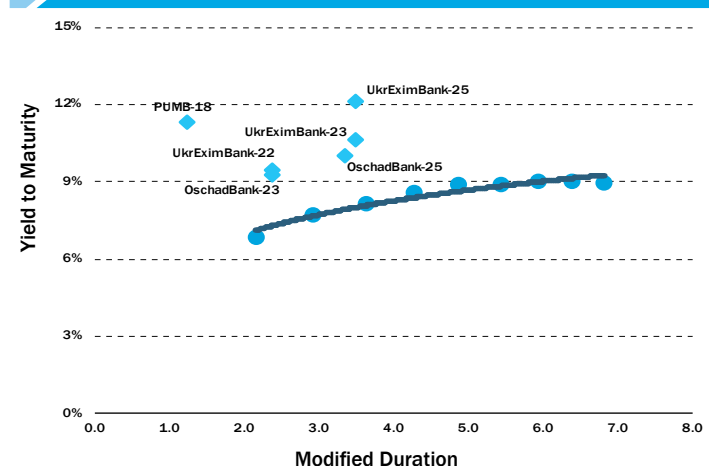
UKRAINIAN EUROBONDS

Issue	Price (Bid)	Price (Ask)	YTM (Bid)	YTM (Ask)	Price chg. (YTD)	Modified Duration	Coupon	Coupon Period	Maturity Date	Volume USD mn	Ratings ¹
Sovereign Eurobonds											
Ukraine, 2019	101.3	101.6	7.2%	7.0%	0.4%	2.1	7.75%	S/A	1 Sept 2019	1,744	Caa3/B-/B-
Ukraine, 2020	99.5	99.9	7.9%	7.8%	0.5%	2.9	7.75%	S/A	1 Sept 2020	1,780	Caa3/B-/B-
Ukraine, 2021	98.8	99.3	8.1%	8.0%	1.0%	3.6	7.75%	S/A	1 Sept 2021	1,409	Caa3/B-/B-
Ukraine, 2022	96.8	97.5	8.5%	8.3%	0.1%	4.3	7.75%	S/A	1 Sept 2022	1,384	Caa3/B-/B-
Ukraine, 2023	94.8	95.5	8.8%	8.7%	-0.8%	4.8	7.75%	S/A	1 Sept 2023	1,355	Caa3/B-/B-
Ukraine, 2024	93.5	94.3	9.0%	8.8%	-1.2%	5.4	7.75%	S/A	1 Sept 2024	1,339	Caa3/B-/B-
Ukraine, 2025	92.3	93.0	9.1%	9.0%	-1.5%	5.9	7.75%	S/A	1 Sept 2025	1,329	Caa3/B-/B-
Ukraine, 2026	92.0	92.8	9.0%	8.9%	-1.5%	6.4	7.75%	S/A	1 Sept 2026	1,318	Caa3/B-/B-
Ukraine, 2027	91.8	92.4	9.0%	8.9%	-1.5%	6.8	7.75%	S/A	1 Sept 2027	1,307	Caa3/B-/B-
Ukraine, GDP-linked (VRI)	34.0	35.0	n/a	n/a	13.1%	n/a	0.00%	S/A	31 May 2040	3,214	/B-/
Corporate Eurobonds											
Agroton, 2019	12.9	26.0	153%	89%	-2.8%	1.3	6.00%	S/A	14 Jul 2019	18	//
Kernel, 2022	104.9	105.7	7.5%	7.3%	5.3%	3.8	8.75%	S/A	31 Jan 2022	500	/B/B+
MHP, 2020	101.4	102.2	7.7%	7.4%	5.4%	2.6	8.25%	S/A	2 Apr 2020	750	/B-/B-
Avangardco, 2018	28.0	29.5	126%	121%	-2.8%	0.8	10.00%	S/A	29 Oct 2018	206	//
UkrLandFarming, 2018	26.8	30.5	232%	202%	-6.7%	0.4	10.88%	S/A	26 Mar 2018	500	/CC/
Mriya, 2016	6.5	8.5	n/a	n/a	n/a	n/a	10.95%	S/A	30 Mar 2016	72	IN DEFAULT
Mriya, 2018	6.5	8.5	n/a	n/a	n/a	n/a	9.45%	S/A	19 Apr 2018	400	IN DEFAULT
DTEK, 2024	85.0	86.0	14.0%	13.7%	-4.5%	5.4	10.75%	S/A	31 Dec 2024	1,275	//
Metinvest, 2021	91.0	94.0	12.8%	11.9%	-0.5%	3.9	9.37%	S/A	31 Dec 2021	1,197	//B
Ferrexpo, 2019	104.2	105.2	8.0%	7.5%	3.9%	1.3	10.375%	S/A	07 Apr 2019	186	Caa3/CCC/CC
Ferrexpo, 2019	103.8	104.8	8.3%	7.7%	3.1%	1.3	10.375%	S/A	07 Apr 2019	161	Caa3/CCC/CC
UZ Rail, 2021	98.0	98.8	10.5%	10.2%	3.1%	2.3	9.88%	S/A	15 Sept 2021	500	/CCC+/CCC
Interepipe, 2017	23.0	28.0	n/a	n/a	-7.3%	0.1	10.25%	S/A	2 Aug 2017	200	IN DEFAULT
JKX Oil&Gas, 2018	84.4	86.4	21.6%	20.5%	0.1%	2.1	8.00%	S/A	19 Feb 2018	16	//
Bank Eurobonds											
Fin&Credit Bank, 2019	0.5	1.8	n/a	n/a	13.0%	n/a	9.25%	S/A	25 Jan 2019	100	IN DEFAULT
PUMB, 2018	98.7	100.6	11.8%	10.6%	-1.8%	1.2	11.00%	Q	31 Dec 2018	275	//
Nadra Bank, 2018	0.3	1.6	n/a	n/a	-1.4%	n/a	6.25%	A	31 Jul 2018	60	IN DEFAULT
PrivatBank, 2018-2	20.0	23.5	n/a	n/a	27.9%	1.5	10.25%	S/A	23 Jan 2018	200	IN DEFAULT
PrivatBank, 2021	11.0	16.0	n/a	n/a	3.8%	1.8	11.00%	S/A	09 Feb 2021	220	IN DEFAULT
PrivatBank, 2018	22.0	24.9	n/a	n/a	76.3%	0.4	10.88%	S/A	28 Feb 2018	175	IN DEFAULT
UkrEximBank, 2022	101.3	102.3	9.3%	9.1%	3.9%	2.4	9.625%	S/A	27 Apr 2022	750	Caa3//B-
UkrEximBank, 2023	90.3	92.5	10.7%	10.1%	10.7%	3.5	7.51%	S/A	9 Feb 2023	125	Caa3//CCC
UkrEximBank, 2025	98.4	99.3	12.3%	12.0%	4.1%	3.5	9.75%	S/A	22 Jan 2025	600	Caa3//B-
VAB Bank, 2019	n/a	n/a	n/a	n/a	n/a	n/a	9.00%	Q	14 Jun 2019	88	IN DEFAULT
Oschadbank, 2023	101.2	102.1	9.1%	8.9%	4.2%	2.3	8.25%	S/A	10 Mar 2023	700	Caa3//B-
Oschadbank, 2025	98.2	99.1	9.9%	9.8%	4.3%	3.3	8.88%	S/A	20 Mar 2025	500	Caa3//B-
Municipal Eurobonds											
City of Kyiv, 2015	65.4	72.6	n/a	n/a	-10.1%	n/a	8.00%	S/A	6 Nov 2015	101	IN DEFAULT

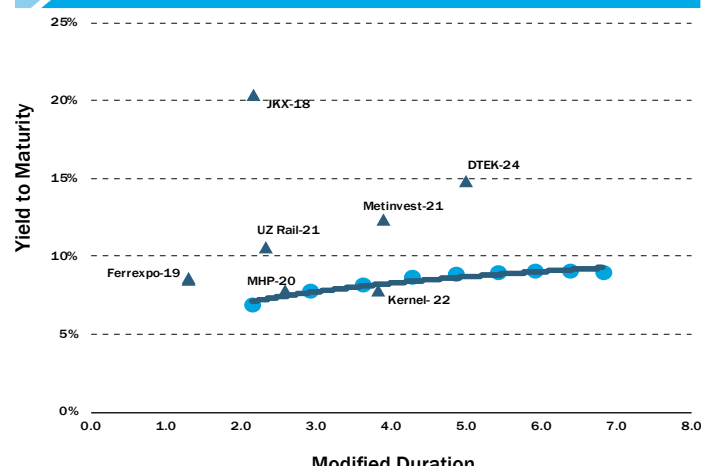
¹ Moody's/S&P/Fitch

Source: Bloomberg, Cbonds, Eavex Research

SOVEREIGNS vs. BANKING EUROBONDS



SOVEREIGNS vs. CORPORATE and MUNICIPAL EUROBONDS



UKRAINIAN DOMESTIC BONDS

Issue	Price (Bid)	Price (Ask)	YTM (Bid)	YTM (Ask)	Modified Duration	Coupon	Coupon Period	Maturity Date	Volume UAH mn
UAH denominated Bonds									
UA4000142665			15.50%	14.85%	n/a	19.50%	S/A	19 Jul 2017	n/a
VAT Bonds									
UA4000185151			15.75%	15.30%	1.9	9.50%	S/A	8 Jul 2019	3,577
UA4000185557			15.75%	15.30%	1.9	9.50%	S/A	22 Jul 2019	2,171
UA4000186159			15.75%	15.30%	1.9	9.50%	S/A	20 Aug 2019	955

Source: Bloomberg, Cbonds, Eavex Research

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