

Stock Market Update

Equity

Kyiv-listed stocks ended mixed last week in low trading activity amid a generally dry news flow. In the latest statements from the IMF regarding Ukraine, the Washington-based institution said that direct losses from corruption are costing the country several billion dollars, or about 2% of GDP, every year. The IMF also said it is still evaluating recent Ukrainian pension legislation to see if the bill meets the targets of the USD 17.5bn loan program. Sustainable pension reform, privatization, and a domestic heating tariff hike are the goals Ukraine must meet to qualify for the substantially-delayed next disbursement from the program, which also went off track during most of 2016.

The UX index rose by 1.2% to close at 1269 points. Aviation engine producer Motor Sich (MSICH) was the top gainer, advancing by 6.0% to a fresh 3-year (UAH-denominated) maximum of UAH 3250 per share. Meanwhile, Raiffeisen Bank Aval (BAVL) fell 2.9% to 28.10 kopecks after news that the bank might try to use Ukraine's squeeze-out legislation to buy up its small 1.72% free-float. However, it is not clear to us that Raiffeisen Aval is eligible to use the squeeze-out option, as 30% stake in the bank belongs to the European Bank for Reconstruction and Development (EBRD). Electricity sector stock CentrErgo (CEEN) finished 0.8% higher at UAH 11.25, while UkrNafta (UNAF) was inactive at UAH 143 per share.

In London trading, Ferrexpo (FXPO) inched down by 0.3% to close at GBP 258, and MHP (MHPC) corrected by 3.4% to USD 11.35 after briefly touching the USD 12 level.

On the Warsaw Stock Exchange, Kernel (KER) remained under pressure, dropping 6.4% to PLN 45.50. The company announced that it had received a notification from the large Polish fund TFI PZU regarding the sale of some of its shares in Kernel. The fund reduced its stake in Kernel from 10.27% to 9.23%.

On the interbank currency market, the hryvnia strengthened notably by 1.6% to 26.51 UAH/USD after the NBU reported that the country's foreign currency reserves increased by 0.5% to USD 18.7bn in October.

Highlights

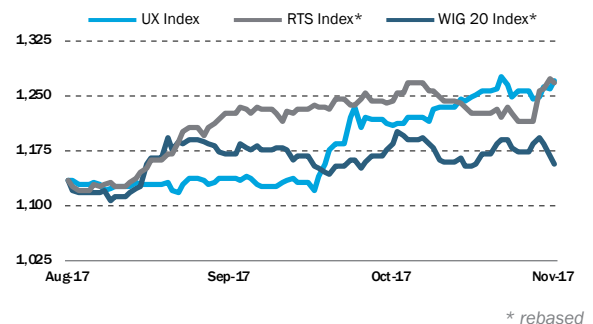
POLITICS AND ECONOMICS

- > Ukraine Ignored in US-Russia Statement After Trump-Putin Meeting; Trump Walks Back Comments Dismissing US Intel Findings
- > Ukraine Headline Inflation Slows to 14.6% in October

STOCKS IN THE NEWS

- > Astarta's Net Profit Slips 6% YoY to EUR 74mn in 9M17

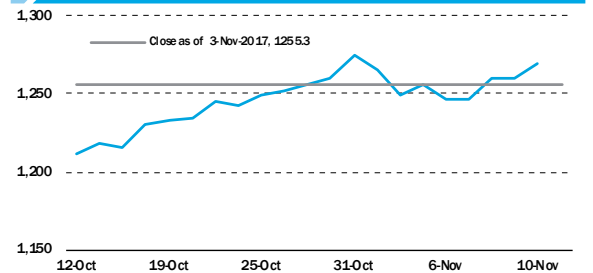
STOCK MARKET PERFORMANCE



MARKET INDEXES

	Last	1W ch	1M ch	YTD
UX	1269.8	1.2%	5.1%	59.6%
RTS	1156.7	4.3%	1.9%	0.4%
WIG20	2457.6	-1.5%	-2.3%	26.2%
MSCI EM	1128.5	0.2%	1.4%	30.9%
S&P 500	2582.3	-0.2%	1.2%	15.3%

UX 1M PERFORMANCE



FIXED INCOME

	Last	1W ch	1M ch	YTD
EMBI+Global	324	2.3%	5.3%	-11.3%
NBU Key Rate	13.5%	0.0 p.p.	1.0 p.p.	-0.5 p.p.
Ukraine-19	4.7%	-1.6 p.p.	-1.8 p.p.	-2.6 p.p.
Ukraine-27	7.4%	0.1 p.p.	0.2 p.p.	-1.3 p.p.
MHP-20	4.4%	-0.1 p.p.	-0.2 p.p.	-5.0 p.p.
UZ Rail-21	6.6%	0.1 p.p.	-0.2 p.p.	-5.1 p.p.

CURRENCY

	Last, UAH	1W ch	1M ch	YTD
USD	26.51	-1.6%	-0.3%	-2.9%
EUR	30.92	-1.2%	-1.5%	9.3%
RUB	0.45	-2.0%	-2.3%	1.6%

COMMODITIES

	Last	1W ch	1M ch	YTD
Wheat, USD/t*	180.5	0.0%	-0.6%	4.3%
Steel, USD/t	540.0	-1.4%	-3.6%	9.1%
Oil, USD/bbl	63.5	2.3%	12.7%	11.8%
Gold, USD/oz	1275.5	0.5%	-1.0%	10.7%

*Ukraine FOB

Source: Bloomberg, Ukrainian Exchange

Ukraine Ignored in US-Russia Statement After Trump-Putin Meeting; Trump Walks Back Comments Dismissing US Intel Findings

by Will Ritter
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NEWS

A joint statement issued on Saturday (Nov 11) by the United States and Russia following informal talks between Presidents Trump and Putin in Vietnam focused on a peace plan for the war-hit country of Syria and ignored the ongoing situation of Russian military activity in Eastern Ukraine. The statement was overshadowed by the US President's remarks following the Trump-Putin meetings on the sidelines of the Asia-Pacific Economic Community, with Trump clearly stating his support for Putin's denials that the Russian government played an interventionist role in last year's US election campaign. The 3 main US security/intelligence bodies, the FBI, CIA, and NSA, have all stated unambiguously that Russian state actors conducted a disinformation campaign aimed at helping Trump defeat Hillary Clinton. In the statement, Trump also attacked the Democratic Party and the previous heads of the US security agencies, John Brennan of the CIA and James Comey of the FBI, calling them "political hacks", while his rhetoric toward Putin was far kinder. However, on Sunday (Nov 12), Trump partially walked back his comments in support of Putin, stating that "I am with our intelligence agencies" on the question of whether Russia played an active role in the election campaign.

COMMENTARY

The Kremlin's main demand to Trump on Ukraine has always been, and remains, the ceding of Kyiv to Russia's "sphere of influence" via a backdoor understanding. That the US-Russia communique focused on Syria and ignored Ukraine is therefore unsurprising, as the Trump administration has no domestic political space for concessions to Putin on Ukraine, and the issue remains uncomfortable for both sides, whereas there is more room for common ground on the Syrian problem. Overall, the Trump administration's cautious approach to the Donbass conflict is rather similar to the strategy of the previous Obama administration. Trump has appointed a tough diplomat, Kurt Volker, to hash out ways of maintaining slow progress on the long-delayed Minsk peace agreement, which is now almost two years in delinquency. As for Trump's latest comments in support of Putin, they are not as shocking as they would have once been given how many times we have now heard this refrain; however, the threat of mass resignations in the CIA may have forced Trump to distance himself from his own words only a day later. Overall, the impression that Putin has some sort of control over Trump and an ability to manipulate him could help Putin politically as he heads toward the Russian presidential election due in just over 4 months.

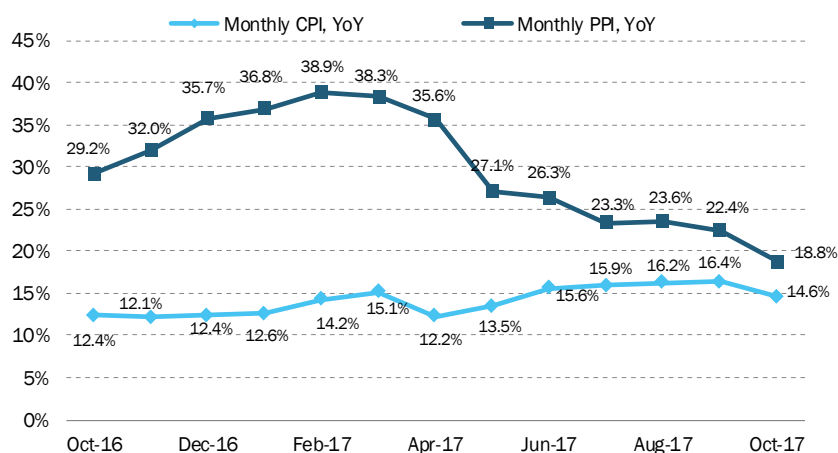
Ukraine Headline Inflation Slows to 14.6% in October

by Dmitry Churin
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NEWS

Ukraine’s State Statistics Committee reported last week that rolling 12-month consumer inflation slowed substantially, to 14.6% in October from 16.4% in September. On a month-on-month basis, the CPI index rose by 1.2% in October, according to data released on Nov 8. UkrStat also reported that producer prices increased by 2.3% MoM in October while on a yearly basis the PPI index growth slowed to 18.8% in the period from 22.4% registered in September.

UKRAINE’S ROLLING 12-MONTH CPI & PPI INFLATION



Source: State Statistics Committee

COMMENTARY

We have to state that we are rather unconvinced that a real slowdown in inflation occurred, as in our opinion the October data simply does not accurately reflect the price situation in Ukraine’s retailing networks. Unfortunately, UkrStat has an outdated methodology for monitoring prices, and we think the reported nearly 2% reduction in headline inflation following the drop-off of the October 2016 data looks rather spurious. Nevertheless, the current difference between real inflation and official inflation is much less than it was in 2014-2015, when sharp hryvnia devaluation drove all prices significantly higher.

In the month-on-month inflation performance, stability in the utility sector category kept things rather quiet, as the start of Ukraine’s heating season has not been reflected in the CPI yet. We assume that utility prices could go higher in November, but the government’s strategy to administratively restrain natural gas and heating tariffs may smooth such price growth. The government is still in talks with the IMF on a gas price formula, which remains one of the conditions that Kyiv must meet to qualify for its next IMF loan disbursement.

Astarta's Net Profit Slips 6% YoY to EUR 74mn in 9M17

by Dmitry Churin
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ASTARTA (AST PW)

Price: PLN 50.00 Market Cap: USD 336mn

	P/B	EV/S	P/E	EV/EBITDA	Div. Yield
2016	1.0	1.1	3.7	2.7	0%
2017E	0.9	1.0	3.4	2.8	0%

NEWS

Kyiv-based, Warsaw-listed Astarta, Ukraine's largest sugar producer, reported a decline in net profit by 5.7% YoY to EUR 74mn in 9M17 despite a jump in revenue of 61% YoY to EUR 349mn in the period, according to financials published on Nov 7. The company's EBITDA moved down by 13.2% YoY to EUR 112mn, while net debt was at EUR 110mn as of Sept 30, implying a Net Debt/EBITDA ratio of 0.8x.

Astarta's export sales reached EUR 213mn in 9M17, accounting for 61% of the total revenue in the period, up from a share of 45% a year earlier.

ASTARTA FINANCIALS

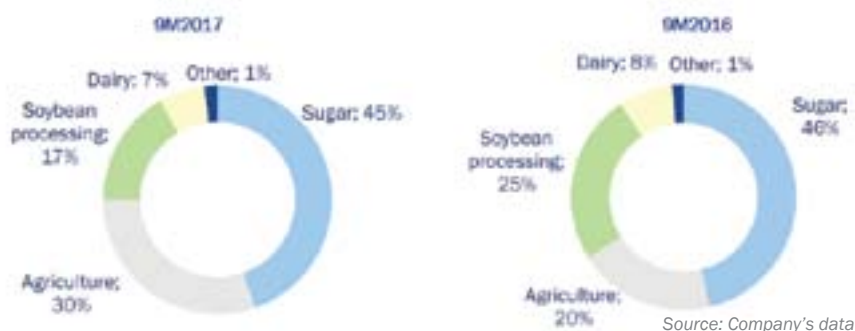
EUR mn	9M17	9M16	chg.
Net revenue	349	217	+61.2%
EBITDA	112	129	-13.2%
margin	32.1%	59.6%	-27.5 p.p.
Net Income	74.1	78.6	-5.7%
net margin	21.2%	31.9%	-10.7 p.p.

Source: Company data.

COMMENTARY

Astarta's sugar sales growth by 56% YoY to EUR 156mn was the main driver for the higher revenue in 9M17. The sugar segment delivered strong results thanks to a 40% increase in sales volume as well as to a 10% gain in achieved sugar pricing in the period. In the agriculture segment, the company increased revenue by 147% YoY to EUR 106mn thanks to 160% increase in sales volumes to 662,000 tonnes of crops.

Although Astarta showed impressive growth in both its sales volumes and revenues, its gross margin declined from 55% in 9M16 to 37% in 9M17 which was quite a negative surprise for us.



On the balance sheet side, Astarta's total assets rose by 10% YoY to EUR 585mn, with total debt standing at EUR 136mn as of 30 Sept 2017.

We forecast that Astarta's FY17 net profit will be EUR 93mn, implying that the AST stock is currently valued at a quite attractive P/E of 3.4x.

EAVEX RECOMMENDATIONS

Name	Ticker	Price, per share	Target price, per share	Upside, %	Rating	Commentary
Agriculture						
Kernel	KER PW	45.1	82.0	82%	BUY	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	11.0	14.0	27%	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	50.0	70.0	40%	BUY	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	4.15	12.0	189%	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	12.3	13.0	6%	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	0.5	0.3	-40%	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	112.0	110.0	-2%	HOLD	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	252.4	--	--	U/R	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	3249	5250	62%	BUY	The reported profit for 1H17 represents UAH 1101 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 3.0bn, implying EPS of UAH 1440.
Oil & Gas						
UkrNafta	UNAF	142	270	90%	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	7.5	15.0	100%	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	13.8	--	--	U/R	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	17.9	9.0	-50%	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	11.25	15.00	33%	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	0.279	0.27	-3%	HOLD	Raiffeisen Aval's 1H17 net profit was at a record high UAH 2.7bn (USD 100mn), implying earnings per share of 4.45 kopecks. We forecast that the bank will post a net profit of UAH 4.50bn in FY17 and will pay a 7.30 kopeck dividend next year.

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	1269.82	1292.48	706.27	1.2%	5.1%	12.5%	59.6%	0.0%	0.0%	0.0%	0.0%
Iron Ore Mining												
Ferrexpo	FXPO	257.90	323.20	109.25	-0.3%	-5.9%	1.3%	91.7%	0.7%	-1.4%	-11.0%	32.2%
Railcar Manufacturing												
Kryukiv Wagon	KVBZ	10.20	n/a	n/a	4.0%	12.7%	4.1%	15.9%	2.8%	7.6%	-8.5%	-43.6%
Specialized Machinery												
Motor Sich	MSICH	3249	3249	934	6.0%	9.1%	30.3%	74.9%	4.8%	4.0%	17.8%	15.3%
Turboatom	TATM	12.75	12.99	8.59	0.5%	10.9%	10.9%	36.4%	-0.7%	5.8%	-1.7%	-23.2%
Telecom												
Ukrtelecom	UTLM	0.150	n/a	n/a	0.0%	-6.3%	15.2%	-9.1%	-1.2%	-11.3%	2.7%	-68.6%
Oil & Gas												
Regal Petroleum	RPT	7.50	7.50	2.75	6.0%	50.0%	106.9%	100.8%	2.6%	4.9%	44.9%	41.2%
JKX Oil	JKX	13.75	33.50	12.25	-5.2%	-3.5%	1.9%	-54.5%	-0.8%	-6.3%	-8.6%	-114.1%
Ukrnafta	UNAF	143.1	n/a	n/a	1.2%	2.1%	13.2%	38.7%	0.0%	-3.0%	0.7%	-20.9%
Power Utilities												
Centrenerg	CEEN	11.25	12.00	9.70	0.8%	5.6%	-1.9%	8.7%	-0.3%	0.5%	-14.4%	-50.9%
Donbasenerg	DOEN	18.00	n/a	n/a	-0.4%	16.1%	21.2%	71.3%	-1.6%	11.0%	8.7%	11.7%
Zakhidenerg	ZAEN	129.90	164.00	55.00	0.6%	-0.1%	12.0%	107.8%	-0.5%	-5.2%	-0.6%	48.3%
Consumer												
Agroton	AGT	4.12	7.70	2.95	0.0%	-8.6%	-30.5%	1.7%	-0.6%	-1.2%	-13.7%	-57.8%
Astarta	AST	50.00	72.00	49.06	1.1%	-3.8%	-24.0%	-7.5%	-1.4%	-0.1%	-8.9%	-67.1%
Avangardo	AVGR	0.50	1.00	0.35	22.0%	-13.0%	-16.7%	42.9%	-0.8%	20.8%	-18.1%	-16.7%
Industrial Milk Company	IMC	12.25	12.40	7.10	2.3%	11.6%	21.3%	52.2%	-0.8%	1.1%	6.5%	-7.4%
Kernel	KER	45.51	80.00	45.51	-6.4%	-7.5%	-27.7%	-28.7%	-4.0%	-7.5%	-12.6%	-88.3%
MHPC	MHPC	11.25	12.05	8.54	-1.3%	2.3%	14.7%	28.0%	-0.4%	-2.5%	-2.8%	-31.6%
Milkiland	MLK	1.52	2.80	1.46	1.3%	-8.4%	-9.5%	-24.0%	1.9%	0.2%	-13.5%	-83.6%
Ovostar Union	OVO	114.00	128.05	84.00	-0.9%	8.6%	6.0%	31.8%	-0.8%	-2.0%	3.5%	-27.8%
Banks												
Raiffeisen Bank Aval	BAVL	0.281	n/a	n/a	-2.9%	-0.7%	6.1%	113.3%	-4.0%	-5.8%	-6.5%	53.8%

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	2016	2017E	2015	2016	2017E	2015	2016	2017E	2015	2016	2017E	2015	2016	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	414	426	237	166	153	33.9%	40.1%	35.8%	158	77	110	22.6%	18.6%	25.9%
Oil & Gas																
Ukrnafta	UNAF	1,319	885	1,079	-101	116	151	-7.7%	13.1%	14.0%	-250	-343	74	-18.9%	-38.7%	6.8%
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	419	492	12	46	69	3.7%	11.1%	14.1%	3	15	51	1.0%	3.6%	10.5%
Donbasenergo	DOEN	190	157	147	8	7	5	4.3%	4.4%	3.3%	-9	-2	1	-4.6%	-1.1%	1.0%
Consumer																
MHP	MHPC	1,183	1,135	1,300	459	415	490	38.8%	36.6%	37.7%	-126	59	300	-10.6%	5.2%	23.1%
Kernel	KER	1,989	2,169	2,646	346	319	346	17.4%	14.7%	13.1%	225	176	220	11.3%	8.1%	8.3%
Astarta	AST	349	402	445	144	167	165	41.4%	41.6%	37.0%	18	90	98	5.1%	22.4%	21.9%
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	2,113	2,080	261	381	347	216	192	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	2016	2017E	2015	2016	2017E	2015	2016	2017E	
Iron Ore Mining														
Ferrexpo	FXPO	1,984	24.0%	476	2,734	>30	10.5	7.8	8.7	7.3	5.5	2.8	2.8	2.1
Railcar Manufacturing														
Krukiv Wagon	KVBZ	43	5.0%	2	38	neg	neg	23.6	neg	>30	6.3	0.9	0.6	0.7
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	250	24.0%	60	211	1.6	3.3	2.3	0.9	1.3	1.4	0.3	0.5	0.5
Oil & Gas														
Ukrnafta	UNAF	288	3.0%	9	273	neg	neg	3.9	neg	2.3	1.8	0.2	0.3	0.3
Regal Petroleum	RPT	31	21.6%	7	12	neg	n/a	>30	n/a	n/a	n/a	n/a	n/a	n/a
JKX Oil & Gas	JKX	31	50.4%	16	139	neg	neg	10.3	8.2	4.8	4.1	1.6	1.7	1.5
Electric Utilities														
CentrEnergO	CEEN	154	21.7%	33	73	>30	10.2	3.0	6.2	1.6	1.1	0.2	0.2	0.1
DonbasEnergO	DOEN	16	14.2%	2	30	neg	neg	10.7	3.7	4.3	6.3	0.2	0.2	0.2
Consumer														
MHP	MHPC	1,189	34.1%	405	2,259	neg	20.1	4.0	4.9	5.4	4.6	1.9	2.0	1.7
Kernel	KER	997	61.8%	616	1,493	4.4	5.7	4.5	4.3	4.7	4.3	0.8	0.7	0.6
Astarta	AST	344	37.0%	127	454	19.4	3.8	3.5	3.1	2.7	2.8	1.3	1.1	1.0
Avangardco	AVGR	32	22.5%	7	363	neg	neg	16.0	neg	>30	16.5	1.6	1.9	2.0
Ovostar	OVO	188	25.0%	47	193	5.9	5.3	5.1	5.5	4.8	4.5	2.6	2.3	2.1
Banks														
							P/E			P/Book			P/Assets	
Raiffeisen Bank Aval	BAVL	642	1.8%	12		neg	4.3	3.4	2.5	1.7	1.9	0.33	0.30	0.31

Source: Eavex Research

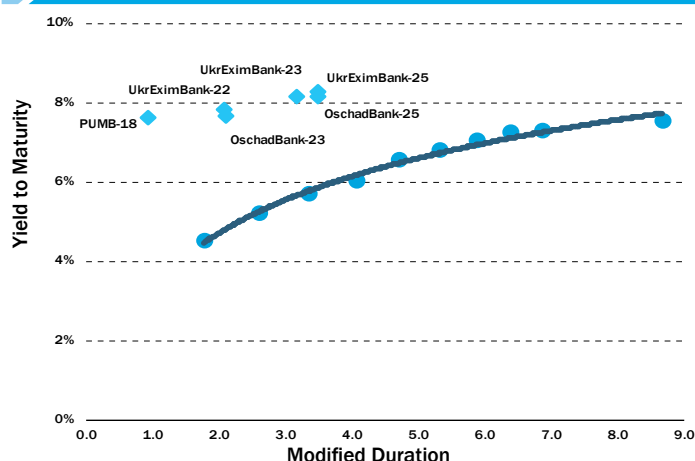
UKRAINIAN EUROBONDS

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	105.0	105.4	4.8%	4.6%	4.1%	1.7	7.75%	S/A	1 Sept 2019	1,744	Caa2/B-/B-
Ukraine, 2020	106.1	106.4	5.4%	5.2%	7.1%	2.5	7.75%	S/A	1 Sept 2020	1,780	Caa2/B-/B-
Ukraine, 2021	106.1	106.6	5.9%	5.8%	8.5%	3.2	7.75%	S/A	1 Sept 2021	1,409	Caa2/B-/B-
Ukraine, 2022	106.1	106.6	6.2%	6.1%	9.7%	3.9	7.75%	S/A	1 Sept 2022	1,384	Caa2/B-/B-
Ukraine, 2023	105.1	106.1	6.7%	6.5%	10.2%	4.6	7.75%	S/A	1 Sept 2023	1,355	Caa2/B-/B-
Ukraine, 2024	104.0	104.6	7.0%	6.9%	9.8%	5.2	7.75%	S/A	1 Sept 2024	1,339	Caa2/B-/B-
Ukraine, 2025	103.3	103.9	7.2%	7.1%	10.2%	5.7	7.75%	S/A	1 Sept 2025	1,329	Caa2/B-/B-
Ukraine, 2026	102.4	102.9	7.4%	7.3%	9.5%	6.2	7.75%	S/A	1 Sept 2026	1,318	Caa2/B-/B-
Ukraine, 2027	102.4	102.9	7.4%	7.3%	9.8%	6.7	7.75%	S/A	1 Sept 2027	1,307	Caa2/B-/B-
Ukraine, 2032	97.4	97.9	7.7%	7.6%	-2.4%	8.5	7.375%	S/A	25 Sept 2032	3,000	//B-
Ukraine, GDP-linked (VRI)	54.3	54.8	n/a	n/a	78.7%	n/a	0.00%	S/A	31 May 2040	3,214	/B-/
Corporate Eurobonds											
Agroton, 2019	14.4	18.8	200%	163%	-17.2%	0.8	6.00%	S/A	14 Jul 2019	18	//
Kernel, 2022	110.4	110.8	5.9%	5.8%	10.6%	3.5	8.75%	S/A	31 Jan 2022	500	/B/B+
MHP, 2020	108.3	108.7	4.5%	4.4%	12.3%	2.2	8.25%	S/A	2 Apr 2020	750	/B-/B-
MHP, 2024	108.5	109.3	6.1%	6.0%	8.9%	5.1	7.75%	S/A	10 May 2024	500	//
Avangardco, 2018	23.3	24.4	260%	249%	-19.5%	0.4	10.00%	S/A	29 Oct 2018	206	//
UkrLandFarming, 2018	26.1	27.0	771%	737%	-13.4%	0.1	10.88%	S/A	26 Mar 2018	500	/CC/
Mriya, 2016	5.0	7.0	n/a	n/a	n/a	n/a	10.95%	S/A	30 Mar 2016	72	IN DEFAULT
Mriya, 2018	5.0	7.0	n/a	n/a	n/a	n/a	9.45%	S/A	19 Apr 2018	400	IN DEFAULT
DTEK, 2024	103.5	104.5	10.2%	10.0%	16.3%	5.3	10.75%	S/A	31 Dec 2024	1,275	//
Metinvest, 2021	91.0	94.0	13.8%	12.8%	-0.5%	3.4	9.37%	S/A	31 Dec 2021	1,197	//B
Ferrexpo, 2019	105.4	105.5	6.3%	6.2%	4.7%	0.9	10.375%	S/A	07 Apr 2019	186	Caa3/CCC/CC
Ferrexpo, 2019	105.4	105.8	6.3%	5.9%	4.4%	0.9	10.375%	S/A	07 Apr 2019	161	Caa3/CCC/CC
UZ Rail, 2021	106.1	107.0	8.0%	7.7%	11.7%	1.9	9.88%	S/A	15 Sept 2021	500	/CCC+/CCC
Interepipe, 2017	26.0	29.0	n/a	n/a	0.0%	n/a	10.25%	S/A	2 Aug 2017	200	IN DEFAULT
JXX Oil&Gas, 2018	85.0	95.0	23.2%	17.1%	19.8%	1.8	8.00%	S/A	19 Feb 2018	16	//
Bank Eurobonds											
Fin&Credit Bank, 2019	0.5	1.3	n/a	n/a	-12.9%	n/a	9.25%	S/A	25 Jan 2019	100	IN DEFAULT
PUMB, 2018	104.0	105.0	7.3%	6.4%	3.0%	0.9	11.00%	Q	31 Dec 2018	275	//
Nadra Bank, 2018	0.2	1.4	n/a	n/a	-16.7%	n/a	6.25%	A	31 Jul 2018	60	IN DEFAULT
PrivatBank, 2018-2	19.0	22.0	n/a	n/a	20.6%	1.5	10.25%	S/A	23 Jan 2018	200	IN DEFAULT
PrivatBank, 2021	10.0	15.0	n/a	n/a	-3.8%	1.5	11.00%	S/A	09 Feb 2021	220	IN DEFAULT
PrivatBank, 2018	19.5	20.3	n/a	n/a	49.3%	0.1	10.88%	S/A	28 Feb 2018	175	IN DEFAULT
UkrEximBank, 2022	107.9	108.2	7.5%	7.4%	10.3%	2.1	9.625%	S/A	27 Apr 2022	750	Caa3//B-
UkrEximBank, 2023	100.1	100.8	8.6%	8.4%	21.7%	3.5	7.51%	S/A	9 Feb 2023	125	Caa3//CCC
UkrEximBank, 2025	109.2	109.4	8.1%	8.0%	15.1%	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	107.0	107.5	7.7%	7.6%	9.9%	2.0	8.25%	S/A	10 Mar 2023	700	Caa3//B-
Oschadbank, 2025	108.2	108.4	8.1%	8.1%	14.6%	3.0	8.88%	S/A	20 Mar 2025	500	Caa3//B-
Municipal Eurobonds											
City of Kyiv, 2015	66.0	70.3	n/a	n/a	-11.2%	n/a	8.00%	S/A	6 Nov 2015	101	IN DEFAULT

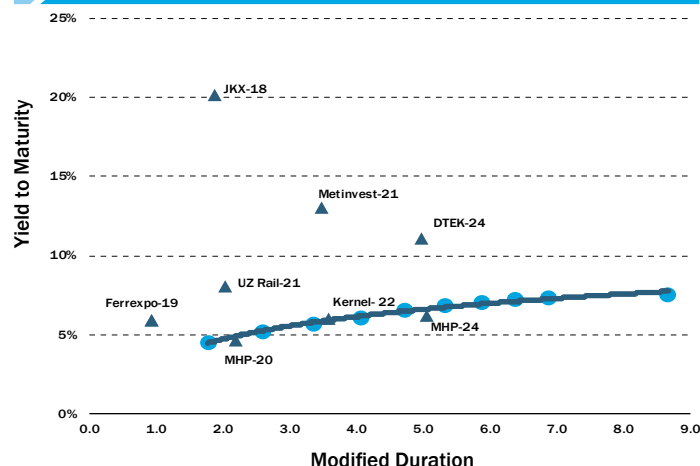
¹ Moody's/S&P/Fitch

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									
UA4000194591			15.10%	14.90%	n/a	16.62%	S/A	11 Jul .2018	1,454
VAT Bonds									
UA4000185151			15.60%	15.10%	1.9	9.50%	S/A	8 Jul 2019	3,577
UA4000185557			15.60%	15.10%	1.9	9.50%	S/A	22 Jul 2019	2,171
UA4000186159			15.60%	15.10%	1.9	9.50%	S/A	20 Aug 2019	955

Source: Bloomberg, Cbonds, Eavex Research

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