

Market Update

Equity

The UX index rose for the fourth trading session in a row on Wednesday (Nov 25), gaining 2.2% to close at 739 points despite geopolitical nervousness following Turkey's shutdown of a Russian military plane that had entered its airspace. The steel sector stocks were growth leaders as market players started to cover their short positions. Azovstal (AZST) advanced by 8.0% to 47 kopecks and Yenakievo Steel (ENMZ) added 7.2% to UAH 17.30. CentrEnerg (CEEN) demonstrated only a marginal increase of 0.1% as the country faced new problems with coal deliveries from the pro-Russian separatist-occupied territories. On the currency front, the hryvnia gained 0.4% to close at bid/ask of 23.70/23.80 UAH/USD on the interbank market. London-listed Ferrexpo (FXPO) gained 1.9% to finish at GBp 27.50 and MHP (MHPC) fell 6.5% to USD 9.50. In Warsaw, Kernel (KER) dropped by 3.3% to PLN 46.00 after the company reported its latest quarterly financials.

Fixed Income

Ukrainian sovereign bonds were up on Wednesday with Ukraine-19s and Ukraine-27s improving by 0.8p.p. and 0.5p.p. to 96.8/97.5 (8.8%/8.5%) and 91.8/92.5 (8.9%/8.8%), respectively. In the corporate universe, UkrLandFarming-18s declined by 1.2p.p. to 53.4/53.4 (45.2%/45.2%) while Metinvest-17s rose by 0.3p.p. to 57.9/60.3 (44.5%/41.7%).

Volume Leaders	Ticker	Last, UAH	1D ch	Volume, UAH mn	Number of Trades
Motor Sich	MSICH	1987.00	0.6%	0.68	48
Ukrnafta	UNAF	195.80	0.7%	0.57	20
Centrenerg	CEEN	4.66	0.1%	0.33	59

Growth Leaders

Azovstal	AZST	0.47	8.0%	0.055	33
Raiffeisen Bank Aval	BAVL	0.08	5.1%	0.282	30
Avdyivka Coke	AVDK	1.11	3.4%	0.034	20

Loss Leaders

Centrenerg	CEEN	4.66	0.1%	0.332	59
Kryukiv Wagon	KVBZ	9.35	0.2%	0.016	9
Motor Sich	MSICH	1,987.00	0.6%	0.678	48

Highlights

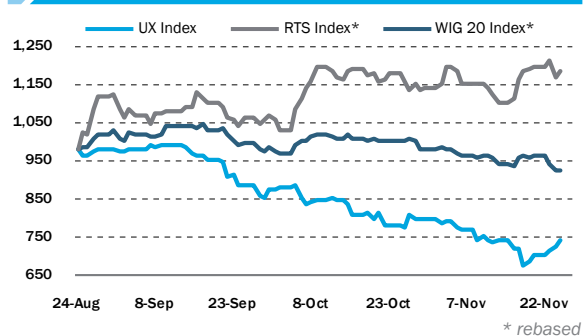
POLITICS AND ECONOMICS

- Ukraine Stops Payments for Russian NatGas, Supplies Shut Off

FIXED INCOME

- Kyiv Asks for Bond Swap by Dec 8, Again Proposes 25% Haircut
- Customs Union to Set 4.3% Anti-Dumping Duty on Seamless Pipes

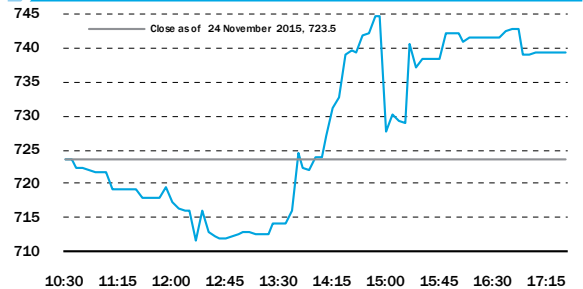
STOCK MARKET PERFORMANCE



MARKET INDEXES

	Last	1D ch	1M ch	YTD
UX	739.4	2.2%	-4.9%	-28.4%
RTS	878.9	1.3%	0.7%	11.2%
WIG20	1943.3	0.0%	-7.8%	-16.1%
MSCI EM	836.2	-0.4%	-3.7%	-12.6%
S&P 500	2088.9	0.0%	0.7%	1.5%

UX INTRADAY NOVEMBER 25, 2015



FIXED INCOME

	Last	1D ch	1M ch	YTD
EMBI+Global	412.1	0.6%	-3.2%	2.0%
CDS 5Y UKR	1050.0	0.0%	0.0%	-52.3%
Ukraine-19	8.7%	-0.3 p.p.	n/a	n/a
Ukraine-27	8.8%	-0.1 p.p.	n/a	n/a
MHP-20	10.7%	0.0 p.p.	-1.5 p.p.	-6.9 p.p.
RAILUA-18	16.6%	-0.1 p.p.	-3.6 p.p.	-17.1 p.p.

CURRENCY

	Last, UAH	1D ch	1M ch	YTD
USD	23.58	-1.0%	3.6%	49.0%
EUR	25.06	-1.1%	-0.1%	30.9%
RUB	0.36	-1.2%	-1.5%	30.9%

COMMODITIES

	Last	1D ch	1M ch	YTD
Wheat, USD/t*	188.6	0.0%	-1.4%	-23.4%
Steel, USD/t	267.5	0.0%	-7.0%	-40.6%
Oil, USD/bbl	46.2	0.1%	-5.1%	-28.0%
Gold, USD/oz	1071.2	-0.4%	-8.0%	-9.6%

*Ukraine FOB

Source: Bloomberg, Ukrainian Exchange

Ukraine Stops Payments for Russian NatGas, Supplies Shut Off

by Will Ritter
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NEWS

Ukraine halted its imports of Russian natural gas this week, Prime Minister Yatseniuk and head of Russia's gas monopoly Alexey Miller stated separately on Wednesday (Nov 25). Miller said Ukraine is being cut off for non-payment, while Yatseniuk indicated that the decision was a deliberate one aimed at replacing the Russian fuel with reverse-flow imports from central European countries. Miller said the situation could threaten gas supplies to Europe transiting through Ukraine during the upcoming winter.

COMMENTARY

On the surface, the cutoff in payments for gas by Ukraine may simply be an effort to take financial advantage of the mild temperatures that prevailed across the country for most of November, as well as a weather forecast that sees temperatures remaining slightly above average at least through the first week of December. However, our interpretation is that the Ukrainian authorities led by President Poroshenko and Yatseniuk are increasingly desperate to divert the media focus away from important economic reform and corruption issues which their allies in the West are keen to see addressed. As such, this week's politically-charged stories such as the Crimean economic blockade, the closing of Ukrainian airspace to Russian traffic, and the latest threat of a new Russian-Ukrainian "gas war" shutting down supplies to the EU appear to fit the strategy. However, in the current environment of geopolitical nervousness following the Paris terrorist attacks and Tuesday's shootdown of a Russian military plane by Turkey, Kyiv needs to understand that it cannot expect to remain at the top of the West's agenda all of the time. In our view, the only way for Ukraine to keep its IMF loan program on track (and keep the government solvent and the hryvnia stable), is to make a good-faith effort to meet the fiscal, structural and judicial reform conditions which its Western allies have set forth.

Kyiv Asks for Bond Swap by Dec 8, Again Proposes 25% Haircut

by Dmitry Churin
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NEWS

The City of Kyiv has asked holders of its Eurobonds (USD 250mn due in 2015 and USD 300mn due in 2016) to approve an exchange of the securities for Ukrainian sovereign Eurobonds maturing in 2019 and 2020 and state derivatives (VRI), Interfax said, citing a report by the issuer on the Irish Stock Exchange. Kyiv is offering an exchange of the 2015 bond with par value of USD 1,000 and interest income accrued on it through Nov 2 of this year for two new Ukrainian sovereign bonds maturing in 2019 and 2020, each with a par value of USD 375, as well as state derivatives with a notional value of USD 250. Applications for the exchange will be accepted until Dec 8.

The exchange for the 2016 bond with a par value of USD 1,000 and interest accrued on it through Nov 2, Kyiv offers two similar sovereign bonds and state derivatives with a notional value of USD 220. If the offer is supported, Eurobond holders will receive additional state derivatives of USD 30 per every USD 1,000 of their CITKIE Eurobonds.

Applications will be accepted until Dec 4. Kyiv has called a meeting of bondholders for Dec 8.

COMMENTARY

The latest terms offered for the CITKIE restructuring are essentially the same as those announced earlier this month and rejected by a bondholder group. Once again, the exchange offer de-facto implies a 25% principal writedown on Kyiv's Eurobonds.

Although it not clear that bondholders will not reject the terms again, ultimately we do not see any scenario developing other than the CITKIE bonds being exchanged for new sovereign issues at the proposed haircut rate. With the sovereign exchange completed earlier this month, Kyiv's creditors can now see that the state derivatives (VRI) are being valued by investors at about 47 cents on the dollar.

CITKIE-15s, which were due on Nov 6 but were not redeemed, are currently quoted at 73.3/79.5 cents on the dollar and CITKIE-16s (due in July) are at 80.6/84.1.

Customs Union to Set 4.3% Anti-Dumping Duty on Seamless Pipes

by Ivan Dzvinka
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NEWS

The Eurasian Economic Commission (EEC), the main trade regulatory body of the Russia-led Customs Union, has proposed to set anti-dumping duties in the range of 4.3%-19.6% on seamless pipes from stainless steel (diameter of up to 426mm) from Ukraine, Interfax reported on Wednesday (Nov 25) citing EEC. The proposal was the result of an anti-dumping investigation initiated in February of this year by Russian pipe makers related to import of seamless pipes from Ukraine to the Customs Union.

The duty rate for Niko Tube, a subsidiary of Ukraine's largest pipe maker Interpipe, was proposed at 4.32%.

COMMENTARY

Based on the data cited in the Customs Union investigation, Ukraine exported 5,400 tonnes of seamless stainless steel pipes in 2014, representing 54% of the total import of such pipes to Custom Union. Russian steel and pipe makers are working hard to squeeze their Ukrainian rivals out of the Customs Union market. A bit over a month ago, Customs Union regulators introduced a 4.75% anti-dumping duty on steel railway wheels from Ukraine, with Interpipe targeted as the main exporter. We assume that the anti-dumping duties will soon come into force, and we do not rule out the proposed levels will be raised either at the stage of declaration or later due to additional claims from Russian pipe makers.

EAVEX RECOMMENDATIONS

Name	Ticker	Price, per share	Target price, per share	Upside, %	Rating	Commentary
Agriculture						
Kernel	KER PW	46.0	57.20	24%	HOLD	Flat or rising YoY operating results expected by management in 2016 will not be enough to compensate for lower seed-crushing and grain-trading margins.
MHP	MHPC LI	9.5	12.03	27%	BUY	MHP's new soybean processing plant and expected launch of new breeding facilities in early 2016 bodes well for optimization of its poultry production cost. The group's long-term targets are a 50% expansion in poultry output to 900,000 tonnes by 2019 and a 40% land bank increase to 550,000ha.
Astarta	AST PW	35.0	36.1	3%	BUY	Astarta has made decisive moves toward diversification (it opened a soybean processing plant in early 2014) and cost optimization (a bioenergy complex was launched in 2014). Astarta's exposure to UAH devaluation is largely offset by its UAH cost base, and it has no assets in the Donbass.
IMC	IMC PW	6.6	9.4	43%	BUY	IMC's quality agribusiness model suggests to us that the company's stock is undervalued. IMC's work on debt reduction, its ongoing land bank expansion program, and high standards of corporate governance are all positive factors offsetting the stock's low trading volume.
AvangardCo	AVGR LI	1.6	U/R	--	U/R	A massive loss on the EBITDA level of almost USD 100mn for 1H15 has damaged Avangard's financial reporting credibility.
Ovostar Union	OVO PW	87.0	80.8	-7%	U/R	Ovostar managed to increase its EBITDA by 15% YoY to USD 24mn in 9M15, as a drop in devaluation-driven egg pricing in USD terms was offset by strong growth in output, rising export sales, and high hryvnia egg inflation (+60% YoY in 9M15).
Iron Ore						
Ferrexpo	FXPO LN	27.5	23.0	-16%	SELL	The long slide in benchmark iron ore prices, exacerbated by a reduction in the pellet-to-fines premium, has hammered Ferrexpo's earnings in 2015, and the collapse of a related-party bank in September that resulted in the loss of USD 174mn in deposits provided a fresh setback to the company.
Steel						
Azovstal	AZST	0.47	0.56	18%	SELL	Non-transparent accounting practices overseen by majority owner Metinvest detrimentally affect Azovstal's reported earnings.
Coke						
Avdyivka Coke	AVDK	1.11	U/R	--	Susp.	Avdyivka Coke's facilities are located on the front line of the Donbass separatist-occupied territory, and the plant has been experiencing periodic artillery shelling since August 2014. However, the company continues to operate, albeit at reduced capacity.
Specialized Machinery						
Motor Sich	MSICH	1987	5250	164%	BUY	Motor Sich should see its revenue grow with a 2012-2016E CAGR of 9%, reaching USD 1.2bn. For 2012-2016, we forecast an average EBITDA margin of 35% and a net margin of 28%.
Oil & Gas						
Concern Galnaftogaz	GLNG	0.15	0.24	60%	BUY	Galnaftogaz is pursuing a plan to aggressively expand its filling station network.
Regal Petroleum	RPT	3.8	U/R	--	U/R	Regal has repeatedly missed its production targets since 2012.
JKX Oil & Gas	JKX	28.5	U/R	--	U/R	The launch of extraction at JKX's Russian gas field has lifted output, but the company's higher-margin Ukrainian operations continue to lag behind expectations.
Power Utilities						
DonbasEnerg	DOEN	18.2	U/R	--	U/R	The Donetsk separatist government has nationalized DonbasEnerg's Starobeshevo power plant, which previously accounted for about 70% of the company's installed power-generating capacity.
CenterEnerg	CEEN	4.66	15.00	222%	BUY	CenterEnerg'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	0.079	0.24	205%	BUY	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 is expected to purchase a 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			
					1d	1w	1m	ytd	1d	1w	1m	ytd
UX Index	UX	739.36	1158.71	656.99	2.2%	10.2%	-4.9%	-28.4%	0.0%	0.0%	0.0%	0.0%
Steel												
Alchevsk Steel	ALMK	0.012	0.019	0.010	-3.1%	18.3%	3.4%	-15.2%	-5.3%	8.0%	8.2%	13.3%
Azovstal	AZST	0.47	0.89	0.34	8.0%	27.3%	-20.8%	-36.8%	5.8%	17.1%	-16.0%	-8.3%
Enakievo Steel	ENMZ	17.30	24.88	14.03	7.1%	10.2%	7.7%	-17.4%	4.9%	0.0%	12.6%	11.0%
Coke												
Avdyivka Coke	AVDK	1.11	2.08	0.86	7.6%	8.6%	10.2%	-36.0%	5.4%	-1.6%	15.1%	-7.5%
Yasnyivsky Coking	YASK	0.33	0.43	0.06	0.0%	17.9%	32.0%	17.9%	-2.2%	7.6%	36.9%	46.3%
Iron Ore Mining												
Centralny GOK	CGOK	5.00	n/a	n/a	0.0%	0.0%	-24.1%	-35.8%	-2.2%	-10.2%	-19.3%	-7.4%
Ferrexpo	FXPO	27.50	80.00	27.00	1.9%	-14.7%	-23.1%	-48.1%	-0.3%	-25.0%	-18.2%	-19.7%
Pivnichny GOK	SGOK	4.63	12.30	2.20	0.0%	0.0%	40.3%	-44.7%	-2.2%	-10.2%	45.2%	-16.2%
Coal Mining												
Pokrovske Mine	SHCHZ	0.25	n/a	n/a	0.0%	0.0%	0.0%	-46.8%	-2.2%	-10.2%	4.9%	-18.4%
Pipe Manufacturing												
Khartsyzk Pipe	HRTR	0.14	0.59	0.12	0.0%	-26.3%	0.0%	-63.2%	-2.2%	-36.5%	4.9%	-34.7%
Railcar Manufacturing												
Kryukiv Wagon	KVBZ	9.35	13.90	7.40	0.0%	4.0%	2.6%	-27.2%	-2.2%	-6.2%	7.5%	1.2%
Luhanskteplovoz	LTPL	0.77	n/a	n/a	0.0%	-1.3%	71.1%	-28.7%	-2.2%	-11.5%	76.0%	-0.3%
Specialized Machinery												
Motor Sich	MSICH	1987	2939	1889	1.3%	3.5%	-1.3%	-20.0%	-0.9%	-6.7%	3.5%	8.5%
Turboatom	TATM	4.10	n/a	n/a	0.0%	0.0%	n/a	n/a	-2.2%	-10.2%	n/a	n/a
Telecom												
Ukrtelecom	UTLM	0.09	0.21	0.09	0.0%	-42.4%	-42.4%	-40.5%	-2.2%	-52.6%	-37.5%	-12.0%
Oil & Gas												
Regal Petroleum	RPT	3.80	6.50	3.13	2.7%	1.2%	-15.7%	21.4%	0.5%	-9.0%	-10.8%	49.9%
JKX Oil	JKX	28.50	37.38	11.00	-0.9%	-0.9%	5.6%	137.5%	-3.1%	-11.1%	10.4%	165.9%
Ukrnafta	UNAF	195.8	337.6	165.0	0.7%	10.3%	-3.5%	-3.7%	-1.5%	0.1%	1.3%	24.8%
Power Utilities												
Centrenergo	CEEN	4.66	8.50	4.20	0.1%	8.3%	-12.1%	-38.3%	-2.1%	-2.0%	-7.3%	-9.8%
Donbasenergo	DOEN	18.20	35.28	15.24	1.3%	12.3%	5.1%	-44.8%	-0.9%	2.1%	10.0%	-16.4%
Zakhidenergo	ZAEN	96.0	193.9	52.0	0.0%	1.1%	12.9%	-35.2%	-2.2%	-9.2%	17.8%	-6.7%
Consumer												
Agroton	AGT	1.09	1.52	0.95	2.8%	2.8%	-19.9%	-11.4%	0.6%	-7.4%	-15.0%	17.1%
Astarta	AST	34.98	38.50	14.50	0.1%	9.4%	8.8%	74.9%	-2.1%	-0.9%	13.7%	103.3%
Avangardo	AVGR	1.60	4.90	0.23	2.6%	19.9%	45.5%	-22.0%	0.4%	9.6%	50.3%	6.5%
Industrial Milk Company	IMC	6.59	7.24	4.38	0.0%	-2.4%	-3.5%	16.2%	-2.2%	-12.6%	1.3%	44.7%
Kernel	KER	46.00	55.20	24.07	-3.3%	-8.7%	-12.4%	61.6%	-5.5%	-19.0%	-7.5%	90.1%
Mriya Agro Holding	MAYA	n/a	1.01	0.05	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
MHPC	MHPC	9.49	12.05	8.24	-6.5%	-3.7%	-0.1%	3.2%	-8.7%	-13.9%	4.8%	31.6%
Milkiland	MLK	1.63	3.50	0.89	-4.1%	-10.9%	-18.9%	10.1%	-6.3%	-21.2%	-14.0%	38.6%
Ovostar Union	OVO	87.00	89.51	68.00	0.0%	-1.5%	-1.1%	20.8%	-2.2%	-11.7%	3.7%	49.3%
Chemicals												
Stirol	STIR	5.90	8.97	3.00	0.0%	0.0%	-1.7%	-14.9%	-2.2%	-10.2%	3.2%	13.6%
Banks												
Raiffeisen Bank Aval	BAVL	0.079	0.114	0.069	5.1%	12.6%	2.2%	-17.9%	2.9%	2.3%	7.1%	10.5%
UkrSotsbank	USCB	0.094	0.150	0.064	0.0%	0.0%	4.6%	-27.8%	-2.2%	-10.2%	9.4%	0.6%

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		
		2013	2014E	2015E	2013	2014E	2015E	2013	2014E	2015E	2013	2014E	2015E	2013	2014E	2015E
Steel																
Alchevsk Steel	ALMK	1,729	700	280	-62	-83	-100	neg	neg	neg	-214	-1,683	-190	neg	neg	neg
Enakievo Steel	ENMZ	1,507	906	539	-7	6	31	neg	0.6%	5.7%	-61	-33	24	neg	neg	4.4%
Azovstal	AZST	2,562	1,885	1,602	-81	183	126	neg	9.7%	7.8%	-308	77	66	neg	4.1%	4.1%
Coke																
Avdyivka Coke	AVDK	914	509	382	46	-54	-57	5.0%	neg	neg	-6	-75	-82	neg	neg	neg
Yasynivsky Coking	YASK	367	198	159	29	-4	-5	7.8%	neg	neg	-3	-13	-10	neg	neg	neg
Iron Ore Mining																
Centralny GOK	CGOK	679	611	550	312	223	159	46.0%	36.5%	28.8%	194	115	80	28.6%	18.8%	14.6%
Pivnichny GOK	SGOK	1,630	1,467	1,320	914	649	463	56.1%	44.2%	35.1%	548	324	226	33.7%	22.1%	17.2%
Ferrexpo	FXPO	1,581	1,388	971	506	496	256	32.0%	35.8%	26.3%	264	184	126	16.7%	13.2%	13.0%
Pipe Manufacturing																
Khartsyzk Pipe	HRTR	310	193	92	31	43	18	10.1%	22.6%	19.3%	5	23	2	1.5%	11.7%	2.0%
Railcar Manufacturing																
Luhanskeplovov	LTPL	329	127	n/a	36	-2	n/a	10.8%	neg	n/a	19	-16	n/a	5.9%	neg	n/a
Kryukiv Wagon	KVBZ	462	179	41	50	-17	-4	10.9%	neg	neg	42	-22	-9	9.0%	neg	neg
Specialized Machinery																
Turboatom	TATM	214	164	114	90	73	36	42.1%	44.6%	32.0%	72	53	23	33.5%	32.4%	20.0%
Motor Sich	MSICH	1,053	879	636	384	342	218	36.5%	38.9%	34.3%	162	129	92	15.4%	14.7%	14.5%
Telecom																
Ukrtelecom	UTLM	796	412	251	-199	85	72	neg	20.6%	28.5%	-279	18	9	neg	4.4%	3.6%
Oil & Gas																
Ukrnafta	UNAF	2,589	2,324	1,336	286	380	521	11.1%	16.4%	39.0%	23	105	253	0.9%	4.5%	19.0%
Regal Petroleum	RPT	37	35	22	-146	15	10	neg	44.5%	45.5%	-127	6	-1	neg	16.6%	neg
JKX Oil	JKX	181	146	150	66	69	70	36.7%	46.9%	46.7%	7	-80	5	3.6%	neg	3.3%
Electric Utilities																
Centrenerg	CEEN	915	630	323	94	26	-12	10.3%	4.1%	neg	60	6	-28	6.5%	0.9%	neg
Donbasenergo	DOEN	656	458	190	72	20	-12	11.0%	4.4%	neg	65	8	-16	9.9%	1.8%	neg
Consumer																
MHP	MHPC	1,496	1,379	1,131	391	555	455	26.1%	40.2%	40.2%	162	-412	-81	10.8%	neg	neg
Kernel	KER	2,797	2,393	2,330	291	223	397	10.4%	9.3%	17.0%	105	-107	101	3.8%	neg	4.3%
Astarta	AST	491	422	347	91	143	98	15.5%	28.3%	23.5%	34	-82	-12	5.8%	neg	neg
Avangardco	AVGR	661	420	361	301	129	94	45.6%	30.9%	26.1%	238	-27	-13	36.0%	neg	neg
Ovostar	OVO	81	75	79	36	29	25	43.7%	38.9%	31.6%	31	26	24	38.0%	34.5%	30.7%
Banks																
		Total Assets			Total Equity			Total Income			Net Profit			Return on Equity		
Raiffeisen Bank Aval	BAVL	5,333	2,869	2,166	888	390	295	723	327	217	90	-87	-115	10.1%	-22.2%	-39.1%
Ukrsotsbank	USCB	5,283	2,730	2,095	1,064	518	362	145	163	145	1	-42	-14	0.1%	-8.0%	-3.9%

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		
				2013	2014E	2015E	2013	2014E	2015E	2013	2014E	2015E	2013	2014E	2015E			
Steel																		
Alchevsk Steel	ALMK	13	3.9%	1	2,627	neg	neg	neg	neg	neg	neg	1.5	3.8	9.4	679	633	615	\$/tonne
Yenakievo Steel	ENMZ	8	8.8%	1	6	neg	neg	0.3	neg	1.0	0.2	0.0	0.0	0.0	2	2	2	\$/tonne
Azovstal	AZST	84	3.0%	2	78	neg	1.1	1.3	neg	0.4	0.6	0.0	0.0	0.0	17	17	17	\$/tonne
Coke																		
Avdiyivka Coke	AVDK	9	6.8%	1	-30	neg	neg	neg	-0.7	neg	neg	0.0	-0.1	-0.1	-7	-8	-8	\$/tonne
Yasynivsky Coke	YASK	4	9.0%	0	5	neg	neg	neg	0.2	neg	neg	0.0	0.0	0.0	0.2	neg	neg	\$/tonne
Iron Ore Mining																		
Centralny GOK	CGOK	248	0.3%	1	247	1.3	2.2	3.1	0.8	1.1	1.6	0.4	0.4	0.4				
Pivnichny GOK	SGOK	452	0.4%	2	446	0.8	1.4	2.0	0.5	0.7	1.0	0.3	0.3	0.3				
Ferrexpo	FXPO	250	24.0%	60	1,267	0.9	1.4	2.0	2.5	2.6	5.0	0.8	0.9	1.3				
Pipe Manufacturing																		
Khartsyzk Pipe	HRTR	15	2.0%	0	61	3.3	0.7	8.4	2.0	1.4	3.4	0.2	0.3	0.7	97	161	153	\$/tonne
Railcar Manufacturing																		
LuganskTeplovoz	LTPL	7	24.0%	2	44	0.4	neg	n/a	1.2	neg	n/a	0.1	0.3	n/a				
Krukiv Wagon	KVBZ	45	5.0%	2	39	1.1	neg	neg	0.8	neg	neg	0.1	0.2	1.0				
Specialized Machinery																		
Turboatom	TATM	63	5.8%	4	32	0.9	1.2	2.8	0.4	0.4	0.9	0.2	0.2	0.3				
Motor Sich	MSICH	175	24.0%	42	180	1.1	1.4	1.9	0.5	0.5	0.8	0.2	0.2	0.3				
Telecom																		
Ukrtelecom	UTLM	72	7.2%	5	162	neg	4.0	7.9	neg	1.9	2.3	0.2	0.4	0.6				
Oil & Gas																		
Ukrnafta	UNAF	450	3.0%	14	444	19.3	4.3	1.8	1.5	1.2	0.9	0.2	0.2	0.3	n/a	n/a	n/a	\$/boe
Regal Petroleum	RPT	19	21.6%	4	-6	neg	3.3	neg	neg	-0.4	-0.6	-0.2	-0.2	-0.3	n/a	n/a	n/a	\$/boe
JKX Oil & Gas	JKX	76	50.4%	38	184	11.7	neg	15.2	2.8	2.7	2.6	1.0	1.3	1.2	34	25	25	\$/boe
Electric Utilities																		
CentrEnerg	CEEN	73	21.7%	16	56	1.2	12.4	neg	0.6	2.1	neg	0.1	0.1	0.2	3	4	4	\$/MWh
DonbasEnerg	DOEN	18	14.2%	3	34	0.3	2.2	neg	0.5	1.7	neg	0.1	0.1	0.2	4	4	4	\$/MWh
Consumer																		
MHP	MHPC	1,003	34.1%	342	2,166	6.2	neg	neg	5.5	3.9	4.8	1.4	1.6	1.9				
Kernel	KER	984	61.8%	608	1,323	9.4	neg	9.8	4.6	5.9	3.3	0.5	0.6	0.6				
Astarta	AST	235	37.0%	87	438	6.9	neg	neg	4.8	3.1	4.5	0.9	1.0	1.3				
Avangardco	AVGR	102	22.5%	23	390	0.4	neg	neg	1.3	3.0	4.1	0.6	0.9	1.1	88	67	63	\$/mneqgs
Ovostar	OVO	140	25.0%	35	147	4.5	5.4	5.8	4.1	5.1	5.9	1.8	2.0	1.9	n/a	n/a	n/a	
Banks																		
						P/E			P/Book			P/Assets						
Raiffeisen Bank Aval	BAVL	100	3.5%	4		1.1	neg	neg	0.1	0.3	0.3	0.02	0.03	0.05				
Ukrsotsbank	USCB	309	0.2%	1		>30	>30	>30	0.3	0.6	0.9	0.07	0.14	0.18				

Source: Eavex Research

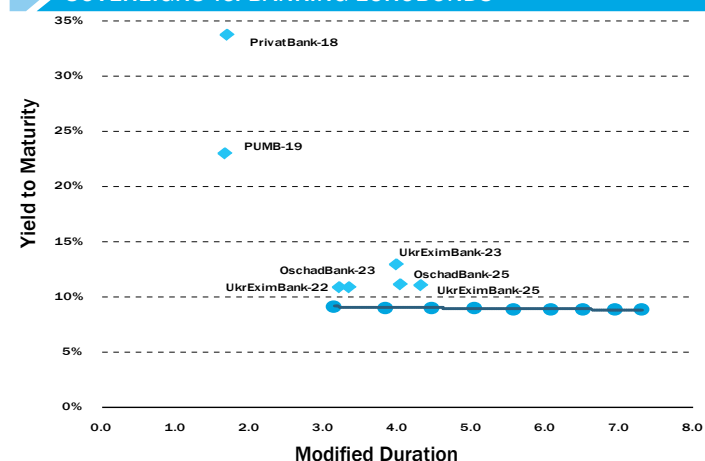
UKRAINIAN EUROBONDS

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	96.8	97.5	8.8%	8.5%	n/a	3.1	7.75%	S/A	1 Sept 2019	1,155	Caa3//CCC
Ukraine, 2020	95.7	96.6	8.9%	8.6%	n/a	3.8	7.75%	S/A	1 Sept 2020	1,531	Caa3//CCC
Ukraine, 2021	95.0	95.8	8.9%	8.7%	n/a	4.4	7.75%	S/A	1 Sept 2021	1,378	Caa3//CCC
Ukraine, 2022	94.3	95.0	8.9%	8.7%	n/a	5.0	7.75%	S/A	1 Sept 2022	1,355	Caa3//CCC
Ukraine, 2023	93.5	94.3	8.9%	8.8%	n/a	5.6	7.75%	S/A	1 Sept 2023	1,330	Caa3//CCC
Ukraine, 2024	93.0	93.8	8.9%	8.8%	n/a	6.0	7.75%	S/A	1 Sept 2024	1,315	Caa3//CCC
Ukraine, 2025	92.5	93.3	8.9%	8.8%	n/a	6.5	7.75%	S/A	1 Sept 2025	1,306	Caa3//CCC
Ukraine, 2026	92.0	92.8	8.9%	8.8%	n/a	6.9	7.75%	S/A	1 Sept 2026	1,295	Caa3//CCC
Ukraine, 2027	91.8	92.5	8.9%	8.8%	n/a	7.3	7.75%	S/A	1 Sept 2027	1,286	Caa3//CCC
Ukraine, GDP-linked (VRI)	46.0	48.0	n/a	n/a	n/a	n/a	0.00%	S/A	31 May 2040	2,916	Caa3//CCC
Corporate Eurobonds											
Agroton, 2019	10.0	13.0	122.6%	100.8%	-66.0%	1.3	8.00%	S/A	14 Jul 2019	50	//RD
MHP, 2020	91.8	91.8	10.7%	10.7%	33.0%	3.5	8.25%	S/A	2 Apr 2020	750	//CCC-/CCC
Avangardco, 2018						2.2	10.00%	S/A	29 Oct 2018	206	//WD
UkrLandFarming, 2018	53.4	53.4	45.2%	45.2%	18.6%	1.6	10.88%	S/A	26 Mar 2018	500	//CC/WD
Mriya, 2016						0.1	10.95%	S/A	30 Mar 2016	72	//SD/RD
Mriya, 2018	n/a	n/a	n/a	n/a	n/a	1.3	9.45%	S/A	19 Apr 2018	400	//SD/RD
DTEK, 2018	51.1	55.0	47.1%	42.6%	-32.0%	1.6	10.375%	S/A	28 Mar 2018	160	Ca//C
DTEK, 2018						1.6	7.88%	S/A	4 Apr 2018	750	Ca//C
Metinvest, 2016	68.2	70.1	n/a	n/a	-12.5%	0.1	10.25%	S/A	31 Jan 2016	85	Caa3//C
Metinvest, 2017	57.9	60.3	44.5%	41.7%	-15.6%	0.8	10.50%	S/A	28 Nov 2017	290	Caa3//C
Metinvest, 2018	59.9	59.9	36.5%	36.5%	7.9%	1.6	8.75%	S/A	14 Feb 2018	750	Caa3//C
Ferrexpo, 2019	64.6	69.0	27.0%	24.4%	-14.3%	2.5	10.375%	S/A	07 Apr 2019	186	Caa3//C
Ferrexpo, 2019	59.9	59.9	36.5%	36.5%	-23.2%	1.6	10.375%	S/A	07 Apr 2019	161	Caa3//C
RailUA, 2018	86.0	86.0	16.6%	16.6%	62.2%	2.1	9.50%	S/A	21 May 2018	500	//CC/C
Interepipe, 2017	36.0	38.5	101.5%	94.3%	-32.3%	0.9	10.25%	S/A	2 Aug 2017	200	//
JKX Oil&Gas, 2018	68.0	71.3	35.2%	32.5%	19.6%	1.0	8.00%	S/A	19 Feb 2018	40	
Bank Eurobonds											
Fin&Credit Bank, 2019	8.9	11.6	140.3%	118.8%	-87.7%	1.3	9.25%	S/A	25 Jan 2019	100	//
PUMB, 2018	71.2	75.1	24.6%	22.4%	3.7%	1.6	11.00%	Q	31 Dec 2018	275	WR//NR
Nadra Bank, 2018	5.7	11.1	n/a	n/a	-32.9%	0.0	6.25%	A	31 Jul 2018	60	//
PrivatBank, 2015						n/a	9.38%	S/A	23 Sept 2015	200	Cau//CC
PrivatBank, 2016	61.3	63.4	329.9%	302.1%	22.3%	0.1	8.75%	S/A	9 Feb 2016	150	Cau//CC
PrivatBank, 2018						1.7	10.88%	S/A	28 Feb 2018	175	Cau//CC
UkrEximBank, 2022	92.2	93.3	11.4%	11.1%	19.6%	3.3	9.625%	S/A	27 Apr 2022	750	WR//C
UkrEximBank, 2023	74.6	76.5	13.2%	12.7%	51.1%	n/a	7.51%	S/A	9 Feb 2023	125	Ca//C
UkrEximBank, 2025	90.8	91.7	11.4%	11.2%	52.1%	4.3	9.75%	S/A	22 Jun 2025	600	Ca//C
VAB Bank, 2019	n/a	n/a	n/a	n/a	n/a	n/a	9.00%	Q	14 Jun 2019	88	//WD
Oschadbank, 2023	91.6	92.8	11.1%	10.8%	41.8%	3.2	8.25%	S/A	10 Mar 2023	700	Ca//CC
Oschadbank, 2025	90.4	91.5	11.3%	11.1%	59.6%	4.0	8.88%	S/A	20 Mar 2025	500	Ca//CC
Municipal Eurobonds											
City of Kyiv, 2015	77.3	79.5	n/a	n/a	n/a	n/a	8.00%	S/A	6 Nov 2015	250	//
City of Kyiv, 2016	80.6	84.1	n/a	n/a	16.0%	n/a	9.375%	S/A	11 Jul 2016	300	//

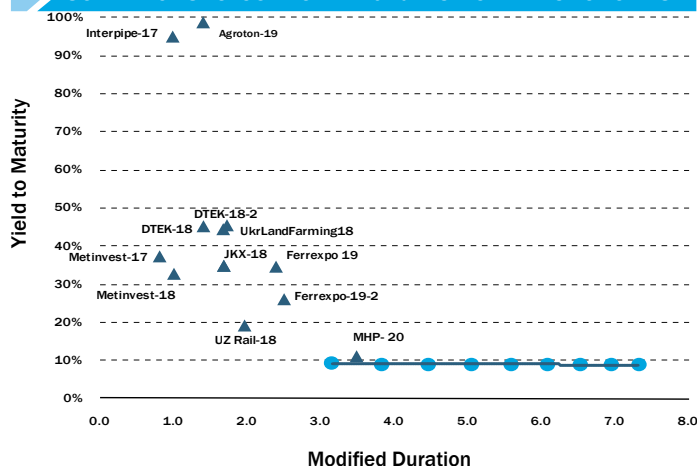
¹ Moody's/S&P/Fitch

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 mn UAH
UAH denominated Bonds									
UA4000142665			23%	20%	n/a	14.30%	S/A	24 May 2017	n/a
VAT Bonds									
UA4000185151			23%	21%	1.9	9.50%	S/A	8 Jul 2019	3,577
UA4000185557			23%	21%	1.9	9.50%	S/A	22 Jul 2019	2,171
UA4000186159			23%	21%	1.9	9.50%	S/A	20 Aug 2019	955

Source: Bloomberg, Cbonds, Eavex Research

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