

Market Update

Equity

Locally-listed Ukrainian stocks were notably lower in morning trading on Monday (Nov 4) before recovering a chunk of their losses in the afternoon, although 8 of 10 blue chips still finished the day in negative territory. The UX underperformed the main global indices for a third straight session, declining by half a percent to close at 858 points. DonbasEnergo (DOEN) gave back its gain from Friday with a 2.4% fall, and Yenakievo Steel (ENMZ) and UkrNafta (UNAF) both lost 1.8%. Volume leader Motor Sich (MSICH) was down 1.0% on turnover of UAH 5.2mn, while Raiffeisen Aval (BAVL) ended in the black with a 1.7% pickup. In London, it was a good day for both Ferrexpo (FXPO LN) and MHP (MHPC LI), which added 2.9% and 4.4% respectively, with the latter closing at USD 16.18.

Fixed Income

Ukrainian sovereigns were on the rise on Monday with Ukraine-23s growing up by 0.6p.p. to 87.5/88.5 (9.5%/9.4%). Corporate universe also mostly finished on the positive territory. MHP-20s and Metinvest-18s improved by 0.6p.p. to 86.2/87.7 (11.3%/11.0%) and 91.0/92.5 (11.5%/11.1%), respectively.

Volume Leaders	Ticker	Last, UAH	1D ch	Volume, UAH mn	Number of Trades
Motor Sich	MSICH	1543.00	-1.0%	5.2	140
Alchevsk Steel	ALMK	0.04	-0.5%	3.0	146
Donbasenergo	DOEN	24.160	-2.5%	1.5	171

Growth Leaders

Mostobud	MTBD	21.30	12.7%	0.00	10
Raiffeisen Bank Aval	BAVL	0.10	1.7%	1.09	183
Azovstal	AZST	0.65	0.6%	0.64	87

Loss Leaders

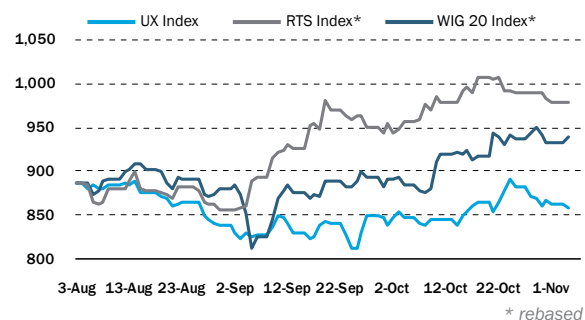
Kryukiv Wagon	KVBZ	17.47	-3.2%	0.302	10
Donbasenergo	DOEN	24.16	-2.5%	1.505	171
Ukrnafta	UNAF	105.50	-1.9%	0.954	110

Highlights

STOCKS IN THE NEWS

- > October Steel Output Up 2.7% YoY, Down 2.7% MoM

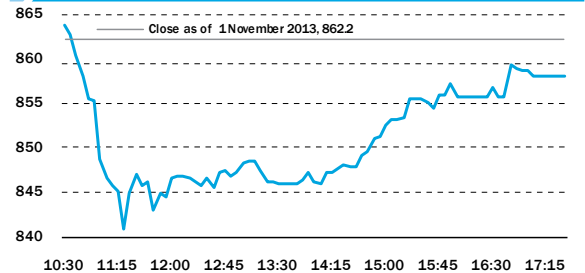
STOCK MARKET PERFORMANCE



MARKET INDEXES

	Last	1D ch	1M ch	YTD
UX	858.0	-0.5%	1.3%	-9.7%
RTS	1475.2	0.0%	2.2%	-3.4%
WIG20	2548.2	0.8%	6.4%	-1.3%
MSCI EM	1027.1	-0.1%	1.9%	-2.7%
S&P 500	1767.9	0.4%	4.6%	26.1%

UX INTRADAY NOVEMBER 4, 2013



FIXED INCOME

	Last	1D ch	1M ch	YTD
EMBI+Global	333.5	1.2%	-4.5%	23.1%
CDS 5Y UKR	969.1	-1.9%	-8.4%	55.0%
Ukraine-17	9.4%	-0.1 p.p.	-1.1 p.p.	2.5 p.p.
Naftogaz Ukr-14	15.8%	-0.1 p.p.	-0.6 p.p.	8.2 p.p.
Ukraine-23	9.5%	-0.1 p.p.	-0.6 p.p.	2.0 p.p.
Privatbank-16	20.8%	-1.6 p.p.	-0.6 p.p.	5.5 p.p.

CURRENCY

	Last, UAH	1D ch	1M ch	YTD
USD	8.20	0.3%	0.2%	1.9%
EUR	11.09	0.5%	-0.1%	3.8%
RUB	0.25	0.6%	-0.2%	-4.3%

COMMODITIES

	Last	1D ch	1M ch	YTD
Wheat, USD/t*	270.5	0.0%	5.2%	-22.4%
Steel, USD/t	525.0	0.0%	-3.2%	-1.4%
Oil, USD/bbl	106.2	0.3%	-2.1%	1.2%
Gold, USD/oz	1314.4	-0.1%	0.3%	-20.6%

*Ukraine FOB

Source: Bloomberg, Ukrainian Exchange

**October Steel Output Up 2.7% YoY,
Down 2.7% MoM**

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NEWS

Ukrainian steel mills smelted 2.62mn of steel in October, representing a 2.7% YoY rise. However, average daily production during the month fell by 5.8% from September, coming in at 84,500 tonnes. Year-to-date through Oct 31, Ukraine's crude steel output is up by 1.1% YoY to 27.47mn tonnes, according to the data from industry association Metallurgprom.

COMMENTARY

While the lack of positive movement in the steel market environment in October was not unexpected, the large decline in daily production looks bad. Apart from depressed demand on Ukraine's traditional markets of the Middle East due to political unrest, the situation is being exacerbated by strengthened competition from China, whose steelmakers are expanding their export market presence. Lebanon has slashed its steel purchases from Ukraine by 80% YoY year-to-date, from 1.76mn tonnes to just 370,000, as the country has redirected most of its orders to China and Turkey. This drop was not offset by double-digit growth in sales to Turkey, Egypt, Iraq and Saudi Arabia. As a result, Ukrainian steel exports to the Middle East are down by 10% YoY through 8M13.

We expect November operational results to remain near the current levels, with some activation in demand occurring in December on the eve of the replenishment of inventories by both final consumers and traders. We reiterate our forecast of 33.0mn tonnes of steel production in Ukraine for FY13, suggesting a 1.1% increase vs. 32.4mn tonnes produced in FY12.

EAVEX RECOMMENDATIONS

Name	Ticker	Price, per share	Target price, per share	Upside, %	Rating	Commentary
Steel&Pipes						
Azovstal	AZST	0.65	0.56	-14%	SELL	Non-transparent reporting practices detrimentally affect Azovstal's reported earnings.
Iron Ore						
Ferrexpo	FXPO LN	189.3	205.0	8%	BUY	Operations at Ferrexpo's new Yeristovo Mine should allow the company to increase its iron ore pellet output by 10% YoY to 10.6mn tonnes in 2013, with further growth to 12.0mn tonnes in 2015.
Pivnichny GOK	SGOK	8.00	14.5	81%	BUY	Secure demand for Pivnichny GOK's iron ore products and lucrative pricing allow the company to operate with high profitability (EBITDA margin of not lower than 45% since 2009). Disadvantages of the stock are its low liquidity and no dividend in 2013 for the first time since 2005.
Centralny GOK	CGOK	6.60	10.6	61%	BUY	Centralny GOK operates in the highly profitable iron ore industry; its EBITDA margin has remained above 35% since 2009. Disadvantages of the stock are its low liquidity and no dividend in 2013 for the first time since 2005.
Coke						
Avdyivka Coke	AVDK	3.07	6.2	103%	BUY	AVDK's order book is secure thanks to its integration with Metinvest, Ukraine's largest M&M holding.
Yasynivsky Coke	YASK	0.56	3.4	513%	BUY	Yasynivsky Coke benefits from steady demand for its output both in Ukraine & abroad thanks to the high quality of its coke relative to other domestic producers.
Coal						
Pokrovske Mine	SHCHZ	0.48	2.9	513%	BUY	We expect Pokrovske Mine to double its coking coal extraction to 9.5mn tonnes over 2010-15.
Railcar Manufacturing						
Krukiv Wagon	KVBZ	17.5	50.5	189%	BUY	Having achieving its post-1991 production maximum in 2011, Krukiv Wagon's revenue should rise at a 7% CAGR in 2012-2016E, with the EBITDA and net margins for the period near 15% and 11%, respectively.
LuganskTeplovoz	LTPL	1.53	5.2	242%	BUY	LuganskTeplovoz's incorporation into TransMashHolding should help it to exploit its already-dominant position on the Russian market for diesel locomotives.
Specialized Machinery						
Motor Sich	MSICH	1543	5250	240%	BUY	Motor Sich should see its sales 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%.
Turboatom	TATM	5.00	8.9	78%	BUY	We model Turboatom's revenue as increasing at 18% CAGR over 2012-2015. Deliveries of hydro and steam turbines to export markets will remain the company's key revenue drivers.
Oil & Gas						
Concern Galnaftogaz	GLNG	0.15	0.24	60%	BUY	Galnaftogaz is pursuing a plan to aggressively expand its filling station network.
Regal Petroleum	RPT	15.3	42.0	175%	BUY	We assume that Regal will be able to produce 5,200 boepd in 2014, generating USD 116mn in sales.
JKX Oil & Gas	JKX	75.0	370	393%	BUY	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						
DonbasEnergo	DOEN	24.2	72.0	198%	BUY	DonbasEnergo is Ukraine's next big-ticket privatization object, with an auction expected to be announced in summer 2013.
CenterEnergo	CEEN	4.98	15.00	201%	BUY	CentrEnergo's privatization has been postponed, but the company retains a strong fundamental value due to its large installed electricity generation capacity.
Consumer						
MHP	MHPC	16.2	22.10	37%	BUY	MHP is well on track with ramping up its poultry production at launched in late 2012 greenfield Vinnytsia complex with annual capacity of 220,000 tonnes. We think MHP will be able to expand its output by 50% over 2012-15 to 600,000 tonnes of poultry with the lion's share of incremental volume to be exported.
Astarta	AST	63.0	90.0	43%	BUY	Astarta's business leans on three pillars: sugar beet cultivation/processing, grain cultivation, and cattle farming. With sugar prices depressed since 2011, a favorable market for grain should continue to drive the company's profitability.
Avangardco	AVGR	12.7	U/R	n/a	U/R	The company ended 1Q13 with a 6% YoY increase in sales thanks to an expansion of the production. Higher operational results failed to compensate for a 8% YoY drop on selling price for eggs further exacerbated by inflated production costs. This led to decline in both EBITDA and net margins by 10p.p. YoY to 45% and 39%, respectively in 1Q13.

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	858.04	1061.97	781.22	-0.5%	-1.5%	1.3%	-9.7%	0.0%	0.0%	0.0%	0.0%
Steel												
Alchevsk Steel	ALMK	0.040	0.06	0.02	-0.8%	-2.5%	-1.7%	-25.7%	-0.3%	-1.0%	-3.0%	-15.9%
Azovstal	AZST	0.65	0.90	0.31	0.6%	-2.4%	2.7%	-12.4%	1.1%	-0.9%	1.4%	-2.7%
Dniprospezstal	DNSS	1,300	1,300	700	0.0%	0.0%	n/a	30.1%	0.5%	1.5%	n/a	39.9%
Enakievo Steel	ENMZ	33.0	49.9	20.0	-1.8%	-1.6%	-2.0%	-13.2%	-1.3%	-0.1%	-3.3%	-3.5%
Arcelor Mittal KR	KSTL	n/a	3.98	1.20	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Mariupol Ilyicha	MMKI	0.13	0.26	0.05	44.4%	0.0%	0.0%	-40.9%	44.9%	1.5%	-1.3%	-31.2%
Coke												
Avdivka Coke	AVDK	3.07	4.80	1.60	-1.2%	-4.7%	-3.9%	-6.2%	-0.7%	-3.2%	-5.2%	3.5%
Yasnyivsky Coking	YASK	0.56	0.85	0.51	0.0%	-5.1%	-3.4%	-16.4%	0.5%	-3.6%	-4.8%	-6.7%
Iron Ore Mining												
Centralny GOK	CGOK	6.60	7.74	4.00	9.8%	0.0%	3.1%	-4.3%	10.3%	1.5%	1.8%	5.4%
Ferrexpo	FXPO	3.02	4.58	2.02	3.1%	-1.7%	7.2%	-25.0%	3.6%	-0.2%	5.9%	-15.2%
Pivnichny GOK	SGOK	8.00	10.00	5.77	1.3%	2.6%	4.6%	7.5%	1.8%	4.1%	3.3%	17.3%
Coal Mining												
Pokrovske Mine	SHCHZ	0.48	0.71	0.39	0.0%	6.7%	6.7%	-23.8%	0.5%	8.2%	5.4%	-14.1%
Komsomolets Donbasa	SHKD	0.71	1.33	0.27	0.0%	7.6%	0.0%	-39.8%	0.5%	9.1%	-1.3%	-30.1%
Energy Coal	CLE	0.76	4.57	0.59	-5.8%	-6.8%	-6.1%	-75.3%	-5.3%	-5.3%	-7.4%	-65.6%
Mining Machinery												
Svitlo Shakhtara	HMBZ	n/a	0.58	0.270	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Pipe Manufacturing												
Khartsyzk Pipe	HRTR	0.60	0.86	0.30	0.0%	100.0%	-1.6%	-14.3%	0.5%	101.5%	-2.9%	-4.6%
Interpipe NMPP	NVTR	0.19	0.44	0.10	0.0%	0.0%	-9.5%	-13.6%	0.5%	1.5%	-10.8%	-3.9%
Railcar Manufacturing												
Kryukiv Wagon	KVBZ	17.5	29.0	12.0	-3.3%	1.6%	0.7%	-9.9%	-2.8%	3.1%	-0.6%	-0.2%
Luhanskeplovoz	LTPL	1.53	2.20	1.26	0.0%	-0.6%	-1.3%	-18.2%	0.5%	0.9%	-2.6%	-8.4%
Stakhanov Wagon	SVGZ	1.34	2.18	1.00	0.0%	1.5%	8.1%	-22.5%	0.5%	3.0%	6.8%	-12.8%
Specialized Machinery												
Bogdan Motors	LUAZ	0.03	0.08	0.02	0.0%	7.9%	1.7%	-33.0%	0.5%	9.4%	0.4%	-23.3%
Motor Sich	MSICH	1,543	2,640	1,303	-1.0%	-1.4%	-2.7%	-30.2%	-0.5%	0.1%	-4.0%	-20.4%
Summy Frunze Engineering	SMASH	2.30	4.00	0.81	0.0%	4.5%	9.5%	53.3%	0.5%	6.0%	8.2%	63.1%
Turboatom	TATM	n/a	5.00	1.88	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
WESTA ISIC	WES	0.23	0.35	0.17	-2.0%	-2.0%	-5.1%	-4.4%	-1.5%	-0.5%	-6.4%	5.3%
Telecom												
Ukrtelecom	UTLM	0.15	0.21	0.09	0.0%	0.7%	2.0%	-4.4%	0.5%	2.2%	0.7%	5.4%
Oil & Gas												
Regal Petroleum	RPT	0.24	0.59	0.20	3.6%	-2.0%	4.6%	-55.1%	4.1%	-0.5%	3.3%	-45.3%
JXX Oil	JKX	1.20	1.29	0.75	0.9%	1.5%	20.3%	0.0%	1.3%	3.0%	19.0%	9.8%
Ukrnafta	UNAF	106	280	96	-1.9%	-3.0%	-2.1%	-11.0%	-1.4%	-1.5%	-3.4%	-1.3%
Power Utilities												
Centrenerg	CEEN	4.98	7.40	2.50	-0.7%	-0.6%	0.0%	-21.6%	-0.2%	0.9%	-1.3%	-11.8%
Donbasenergo	DOEN	24.2	34.0	15.4	-2.4%	-0.2%	1.1%	14.0%	-1.9%	1.3%	-0.2%	23.7%
Zakhidenergo	ZAEN	83.0	115.0	64.0	0.0%	0.0%	0.0%	-14.4%	0.5%	1.5%	-1.3%	-4.7%
Consumer												
Agroton	AGT	0.76	3.8	0.36	1.6%	1.0%	-9.8%	-76.7%	2.1%	2.5%	-11.1%	-67.0%
Astarta	AST	20.4	24.4	14.5	-0.6%	-12.4%	-9.2%	14.1%	-0.1%	-10.9%	-10.5%	23.8%
Avangardo	AVGR	12.7	13.0	7.61	-0.7%	-2.3%	12.8%	12.0%	-0.2%	-0.8%	11.5%	21.7%
Industrial Milk Company	IMC	4.43	5.35	3.63	-0.6%	-1.5%	-9.4%	-16.6%	-0.1%	0.0%	-10.7%	-6.8%
Kernel	KER	13.9	22.6	13.5	3.0%	-0.1%	-14.2%	-35.9%	3.5%	1.4%	-15.5%	-26.1%
Mriya Agro Holding	MAYA	6.59	6.8	5.36	0.1%	0.5%	9.1%	1.6%	0.6%	2.0%	7.8%	11.3%
MHPC	MHPC	16.2	19.9	13.58	4.4%	1.1%	4.7%	6.1%	4.9%	2.6%	3.4%	15.8%
Milkiland	MLK	4.36	5.3	3.11	-1.7%	-0.3%	3.3%	-7.3%	-1.2%	1.2%	2.0%	2.5%
Ovostar Union	OVO	33.0	33.3	21.3	1.0%	-1.1%	4.0%	14.1%	1.5%	0.4%	2.7%	23.9%
Sintal	SNPS	n/a	0.33	0.27	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
MCB Agricole	4GW1	n/a	0.65	0.49	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chemicals												
Stirol	STIR	12.4	17.5	7.1	-1.2%	2.3%	7.8%	-7.7%	-0.7%	3.8%	6.5%	2.0%
Banks												
Raiffeisen Bank Aval	BAVL	0.103	0.128	0.064	1.9%	-1.5%	13.6%	19.7%	2.4%	0.0%	12.3%	29.5%
UkrSotsbank	USCB	0.183	0.257	0.107	-0.4%	-0.4%	2.2%	41.6%	0.0%	1.1%	0.9%	51.3%

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		
		2011	2012E	2013E	2011	2012E	2013E	2011	2012E	2013E	2011	2012	2013E	2011	2012E	2013E
Steel																
Alchevsk Steel	ALMK	2,339	1,695	1,667	145	-21	-2	6.2%	neg	neg	36	-127	-52	1.6%	neg	neg
Enakievo Steel	ENMZ	1,716	1,578	1,577	-108	-84	-69	neg	neg	neg	31	9	-125	1.8%	0.5%	neg
Azovstal	AZST	3,867	2,794	2,788	-102	-173	-64	neg	neg	neg	-64	-333	-170	neg	neg	neg
Coke																
Avdyivka Coke	AVDK	1,457	1,072	1,054	6	-128	-74	0.4%	neg	neg	-32	-137	-97	neg	neg	neg
Yasynivsky Coking	YASK	566	444	448	29	29	28	5.1%	6.5%	6.2%	15	11	11	2.7%	2.4%	2.4%
Iron Ore Mining																
Centralny GOK	CGOK	805	566	508	497	238	202	61.8%	42.0%	39.8%	325	95	104	40.4%	16.8%	20.5%
Pivnichny GOK	SGOK	1,834	1,515	1,301	1,174	813	640	64.0%	53.6%	49.2%	783	436	359	42.7%	28.8%	27.6%
Ferrexpo	FXPO	1,788	1,424	1,566	801	402	445	44.8%	28.2%	28.4%	575	215	263	32.2%	15.1%	16.8%
Coal Mining																
Komsomolets Donbasa	SHKD	192	256	255	67	99	90	35.1%	38.8%	35.3%	15	39	35	8.0%	15.1%	13.7%
Coal Energy	CLE	151	165	199	51	62	64	33.7%	37.5%	32.1%	37	38	43	24.4%	23.2%	21.7%
Pipe Manufacturing																
Khartsyzk Pipe	HRTR	775	659	699	145	74	77	18.7%	11.3%	11.1%	98	34	34	12.7%	5.1%	4.9%
Railcar Manufacturing																
Luhanskteplovoz	LTPL	199	167	213	14	12	15	7.0%	7.4%	7.2%	9	7	8	4.5%	4.1%	3.8%
Kryukiv Wagon	KVBZ	770	887	643	118	134	93	15.3%	15.1%	14.4%	85	95	50	11.0%	10.7%	7.9%
Stakhanov Wagon	SVGZ	437	311	318	33	7	11	7.6%	2.3%	3.4%	20	1	3	4.6%	0.2%	0.9%
Specialized Machinery																
Turboatom	TATM	169	173	193	63	47	52	37.0%	27.3%	26.8%	53	38	42	31.5%	22.1%	21.7%
Motor Sich	MSICH	722	828	933	285	309	330	39.4%	37.4%	35.3%	168	247	270	23.2%	29.8%	28.9%
Telecom																
Ukrtelecom	UTLM	843	858	744	206	205	208	24.5%	23.8%	28.0%	-17	45	48	neg	5.3%	6.5%
Oil & Gas																
Ukrnafta	UNAF	3,051	2,816	2,444	439	507	429	14.4%	18.0%	17.6%	272	312	226	8.9%	11.1%	9.2%
Regal Petroleum	RPT	19	50	80	-4	23	36	neg	45.9%	44.7%	6	12	24	33.7%	24.0%	30.0%
JKX Oil	JKX	237	225	250	114	145	150	48.3%	64.4%	60.2%	59	40	50	24.9%	17.8%	20.0%
Electric Utilities																
Centrenergo	CEEN	894	1,071	1,136	49	61	68	5.4%	5.7%	6.0%	4	29	33	0.5%	2.7%	2.9%
Donbasenergo	DOEN	495	600	665	21	17	24	4.2%	2.9%	3.6%	-3	4	10	neg	0.6%	1.5%
Consumer																
MHP	MHPC	1,229	1,408	1,532	401	468	523	32.6%	33.2%	34.1%	259	311	271	21.1%	22.1%	17.7%
Kernel	KER	1,899	2,157	2,800	310	322	339	16.3%	14.9%	12.1%	226	211	195	11.9%	9.8%	7.0%
Astarta	AST	402	458	549	144	98	121	29.9%	17.8%	18.3%	114	50	59	23.6%	9.1%	9.0%
Avangardco	AVGR	553	629	701	251	280	293	45.3%	44.5%	41.8%	196	228	232	35.5%	36.3%	33.1%
Agroton	AGT	122	93	107	19	31	33	15.3%	33.5%	31.0%	-2	19	21	neg	20.0%	19.5%
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	750	707	646	0	4	29	0.0%	0.5%	3.1%
Ukrspasbank	USCB	5,032	5,151	5,064	827	814	788	449	451	469	2	2	13	0.2%	0.3%	1.7%

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		
				2011	2012	2013E	2011	2012	2013E	2011	2012	2013E	2011	2012	2013E			
Steel																		
Alchevsk Steel	ALMK	125	3.9%	5	1,540	3.4	neg	neg	10.6	neg	neg	0.7	0.9	0.9	531	458	412	\$/tonne
Yenakievo Steel	ENMZ	42	8.8%	4	35	1.4	5.0	neg	neg	neg	neg	0.0	0.0	0.0	14	13	13	\$/tonne
Azovstal	AZST	332	4.1%	14	310	neg	neg	neg	neg	neg	neg	0.1	0.1	0.1	55	52	50	\$/tonne
Coke																		
Avdyivka Coke	AVDK	73	7.5%	6	70	neg	neg	neg	11.6	neg	neg	0.0	0.1	0.1	20	15	13	\$/tonne
Yasynivsky Coke	YASK	19	9.0%	2	48	1.2	1.7	1.7	1.7	1.7	1.7	0.1	0.1	0.1	1.7	1.7	1.7	\$/tonne
Iron Ore Mining																		
Centralny GOK	CGOK	943	0.5%	5	943	2.9	9.9	9.1	1.9	4.0	4.7	1.2	1.7	1.9				
Pivnichny GOK	SGOK	2,247	0.5%	12	2,372	2.9	5.2	6.3	2.0	2.9	3.7	1.3	1.6	1.8				
Ferrexpo	FXPO	1,777	24.0%	427	2,028	3.1	8.3	6.8	2.5	5.0	4.6	1.1	1.4	1.3				
Coal Mining																		
Komsomolets Donbasa	SHKD	29	5.4%	2	131	1.9	0.8	0.8	1.9	1.3	1.5	0.7	0.5	0.5	32	31	29	\$/tonne
Coal Energy	CLE	35	11.9%	4	60	0.9	0.9	0.8	1.2	1.0	0.9	0.4	0.4	0.3	1.2	1.0	0.9	\$/tonne
Pipe Manufacturing																		
Khartsyzk Pipe	HRTR	190	2.0%	4	233	1.9	5.6	5.6	1.6	3.1	3.0	0.3	0.4	0.3	369	612	582	\$/tonne
Railcar Manufacturing																		
LuganskTeplovoz	LTPL	41	24.0%	10	41	4.6	5.9	5.0	2.9	3.3	2.7	0.2	0.2	0.2				
Krukiv Wagon	KVBZ	244	5.0%	12	247	2.9	2.6	4.8	2.1	1.8	2.7	0.3	0.3	0.4				
Stakhanov Wagon	SVGZ	37	8.0%	3	76	1.9	>30	12.9	2.3	10.6	7.0	0.2	0.2	0.2				
Specialized Machinery																		
Turboatom	TATM	180	5.8%	10	128	3.4	4.7	4.3	2.0	2.7	2.5	0.8	0.7	0.7				
Motor Sich	MSICH	391	24.0%	94	401	2.3	1.6	1.4	1.4	1.3	1.2	0.6	0.5	0.4				
Telecom																		
Ukrtelecom	UTLM	349	7.2%	25	685	neg	7.7	7.3	3.3	3.4	3.3	0.8	0.8	0.9				
Oil & Gas																		
Ukrnafta	UNAF	698	3.0%	21	687	2.6	2.2	3.1	1.6	1.4	1.6	0.2	0.2	0.3	n/a	n/a	n/a	\$/boe
Regal Petroleum	RPT	78	49.0%	38	60	12.2	6.5	3.2	neg	2.6	1.7	3.2	1.2	0.8	n/a	n/a	n/a	\$/boe
JKX Oil & Gas	JKX	205	50.4%	103	314	3.5	5.1	4.1	2.7	2.2	2.1	1.3	1.4	1.3	83	57	43	\$/boe
Electric Utilities																		
CentrEnergO	CEEN	224	21.7%	49	307	>30	7.8	6.7	6.3	5.1	4.5	0.3	0.3	0.3	21	21	17	\$/MWh
DonbasEnergO	DOEN	70	14.2%	10	126	neg	18.2	6.9	6.1	7.3	5.3	0.3	0.2	0.2	16	15	14	\$/MWh
Consumer																		
MHP	MHPC	1,709	34.1%	583	2,754	6.6	5.5	6.3	6.9	5.9	5.3	2.2	2.0	1.8	8607	8607	8607	\$/tonne
Kernel	KER	1,024	61.8%	632	1,634	4.5	4.9	5.2	5.3	5.1	4.8	0.9	0.8	0.6				
Astarta	AST	509	31.0%	158	656	4.5	10.2	8.6	4.6	6.7	5.4	1.6	1.4	1.2	3325	2024	1681	\$/tonne
Avangardco	AVGR	811	22.5%	182	959	4.1	3.6	3.5	3.8	3.4	3.3	1.7	1.5	1.4	217	165	155	\$/mneegs
Agroton	AGT	16	44.6%	7	50	neg	0.9	0.8	2.7	1.6	1.5	0.4	0.5	0.5	0.4	n/a	n/a	\$/ha
Banks																		
Raiffeisen Bank Aval	BAVL	376	4.0%	15		>30	>30	13.1	0.5	0.4	0.4	0.05	0.05	0.05				
Ukrsotsbank	USCB	410	1.6%	7		>30	>30	21.8	0.5	0.5	0.5	0.06	0.06	0.06				

Source: Eavex Research

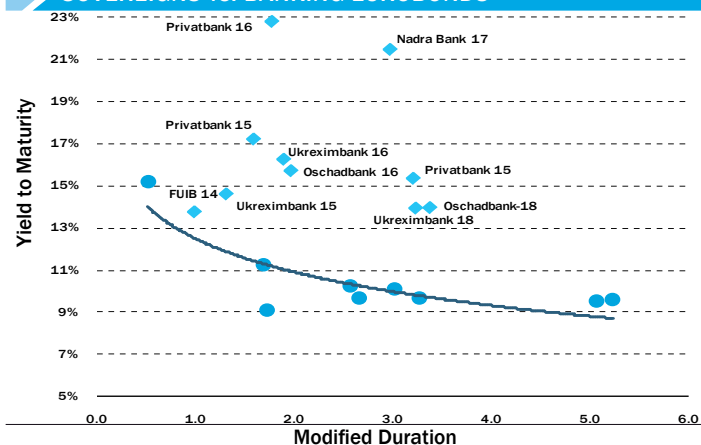
UKRAINIAN EUROBONDS

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, 2014	96.8	97.5	14.7%	13.2%	-5.2%	0.5	7.95%	S/A	6 Apr. 2014	1,000	Caa1/B-/B
Naftogaz Ukraine, 2014	94.4	95.4	18.2%	16.7%	-7.9%	0.8	9.50%	S/A	30 Sept 2014	1,595	//B
Ukraine, 2015 (EUR)	93.0	94.0	9.3%	8.6%	-4.1%	1.7	4.95%	A	13 Oct 2015	600*	Caa1/B-/B
Ukraine, 2015	92.7	94.5	11.6%	10.5%	-7.5%	1.7	6.875%	S/A	23 Sept 2015	500	Caa1/B-/B
Ukraine, 2016	90.6	91.8	10.4%	9.9%	-8.7%	2.6	6.58%	S/A	21 Nov 2016	1,000	Caa1/B-/B
Ukraine, 2016-2	90.5	91.9	10.0%	9.4%	-8.5%	2.7	6.25%	S/A	17 Jun 2016	1,250	Caa1/B-/B
Ukraine, 2017	90.4	91.9	9.8%	9.3%	-8.1%	3.3	6.75%	S/A	14 Nov 2017	700	Caa1/B-/B
Ukraine, 2017-2	97.2	98.2	10.3%	9.9%	-8.8%	3.0	9.25%	S/A	24 Jul 2017	2,000	Caa1/B-/B
Ukraine, 2017 Infr. projects	88.0	89.8	12.8%	12.1%	-9.5%	3.2	8.375%	S/A	3 Nov 2017	568	Caa1//
Ukraine, 2018 Infr. projects	85.0	86.5	12.2%	11.7%	-9.7%	3.6	7.40%	S/A	20 Apr 2018	690	Caa1//
Ukraine, 2020	91.3	92.8	9.6%	9.3%	-10.6%	5.1	7.75%	S/A	23 Sept 2020	1,500	Caa1/B-/B
Ukraine, 2021	91.7	93.0	9.6%	9.3%	-11.1%	5.2	7.95%	S/A	23 Feb 2021	1,500	Caa1/B-/B
Ukraine, 2022	88.3	89.3	9.8%	9.6%	-12.0%	5.9	7.80%	S/A	28 Nov 2022	1,250	Caa1/B-/B
Ukraine, 2023	87.5	88.5	9.5%	9.4%	-12.0%	6.4	7.50%	S/A	17 Apr 2023	1,250	Caa1/B-/B
Corporate Eurobonds											
Agroton, 2014	50.0	54.8	32.0%	28.5%	n/a	3.1	8.00%	S/A	14 Jul 2019	50	/CCC/RD
MHP, 2015	100.4	101.9	10.4%	9.8%	-4.1%	1.4	10.25%	S/A	29 Apr 2015	235	Caa1//B
MHP, 2020	86.2	87.7	11.3%	11.0%	-13.1%	4.7	8.25%	S/A	2 Apr 2020	750	/B-/B
Avangardco, 2015	100.0	102.0	10.3%	9.2%	5.5%	1.8	10.00%	S/A	29 Oct 2015	200	//B
UkrLandFarming, 2018	92.1	92.8	13.3%	13.1%	-7.6%	3.3	10.88%	S/A	26 Mar 2018	275	/B-/B-
Mriya, 2016	99.9	101.2	11.4%	10.7%	-2.4%	2.0	10.95%	S/A	30 Mar 2016	72	/B-/B
Mriya, 2018	86.2	87.7	13.7%	13.2%	-13.1%	3.4	9.45%	S/A	19 Apr 2018	400	/B-/B
DTEK, 2015	100.6	101.3	9.4%	8.9%	-0.4%	1.3	9.50%	S/A	28 Apr 2015	200	Caa1//B
DTEK, 2018	90.1	91.5	10.8%	10.3%	-9.2%	3.6	7.88%	S/A	4 Apr 2018	750	Caa1//B
Metinvest, 2015	101.1	101.5	9.8%	9.6%	-2.4%	1.3	10.25%	S/A	20 May 2015	500	Caa1//B
Metinvest, 2018	91.0	92.5	11.5%	11.1%	-5.3%	3.3	8.75%	S/A	14 Feb 2018	750	Caa1//B
Ferrexpo, 2016	96.5	98.0	9.8%	8.9%	-0.2%	2.1	7.875%	S/A	07 Apr 2016	500	/B-/B
UZ Rail, 2018	85.3	86.9	14.0%	13.4%	-13.9%	3.3	9.50%	S/A	21 May 2018	500	/B-/B-
Interepipe, 2017	77.0	80.1	19.5%	17.7%	-3.8%	2.7	10.25%	S/A	2 Aug 2017	200	/NR/CCC
JKX Oil&Gas, 2018	109.9	110.9	8.4%	8.1%	10.4%	3.6	8.00%	S/A	19 Feb 2018	40	//
Bank Eurobonds											
Fin&Credit Bank, 2014	91.5	93.5	89.1%	65.3%	44.5%	0.2	10.50%	S/A	25 Jan 2014	100	Caa1//
PUMB, 2014	97.9	99.6	14.5%	12.6%	-3.3%	1.0	11.00%	Q	31 Dec 2014	275	B//
Nadra Bank, 2017	80.7	82.7	22.3%	20.5%	-3.8%	3.0	8.00%	A	22 Jun 2017	175	//
PrivatBank, 2015	88.8	91.0	17.5%	15.8%	-5.2%	1.6	9.38%	S/A	23 Sept 2015	200	Caa1//
PrivatBank, 2016	72.8	75.2	21.9%	20.2%	-4.1%	1.8	8.75%	S/A	9 Feb 2016	150	Caa1//
PrivatBank, 2018	86.3	90.1	15.3%	14.0%	-11.8%	3.2	10.88%	S/A	28 Feb 2018	175	Caa1//B
UkrEximBank, 2015	92.5	93.5	14.9%	14.0%	-6.9%	1.3	8.38%	S/A	27 Apr 2015	750	Caa1//B
UkrEximBank, 2016	81.3	83.7	16.6%	15.0%	-2.1%	1.9	8.40%	S/A	2 Sept 2016	125	Caa1//B
UkrEximBank, 2018	83.9	85.7	13.9%	13.3%	-15.2%	3.2	8.75%	S/A	22 Jan 2018	500	Caa1//B
VAB Bank, 2014	81.5	83.5	62.3%	55.1%	47.3%	0.5	10.50%	Q	14 Jun 2014	125	Caa1//WD
Oschadbank, 2016	86.3	87.9	16.1%	15.1%	-8.5%	2.0	8.25%	S/A	10 Mar 2016	700	Caa1//B
Oschadbank, 2018	83.4	85.1	14.1%	13.6%	-15.7%	3.4	8.88%	S/A	20 Mar 2018	500	Caa1//B
Municipal Eurobonds											
City of Kyiv, 2015	88.0	89.5	15.7%	14.7%	-5.1%	1.7	8.00%	S/A	6 Nov 2015	250	Caa1/B-/
City of Kyiv, 2016	86.8	90.2	15.5%	13.9%	-5.4%	2.2	9.375%	S/A	30 Jun 2016	300	Caa1/B-/

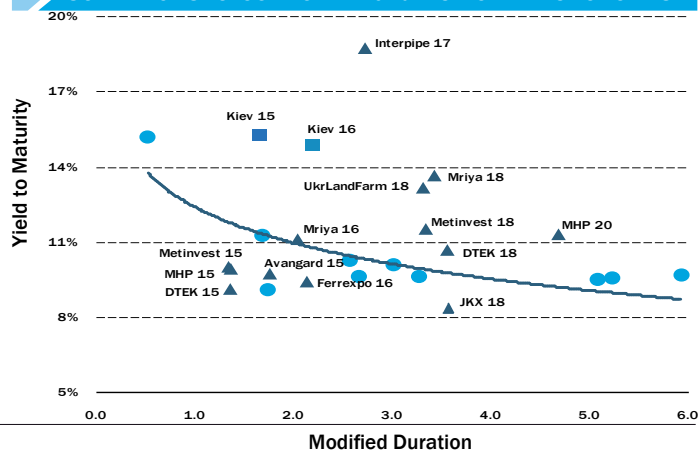
¹ Moody's/S&P/Fitch; * EUR

Source: Bloomberg, Cbonds, Eavex Research

SOVEREIGNS vs. BANKING EUROBONDS



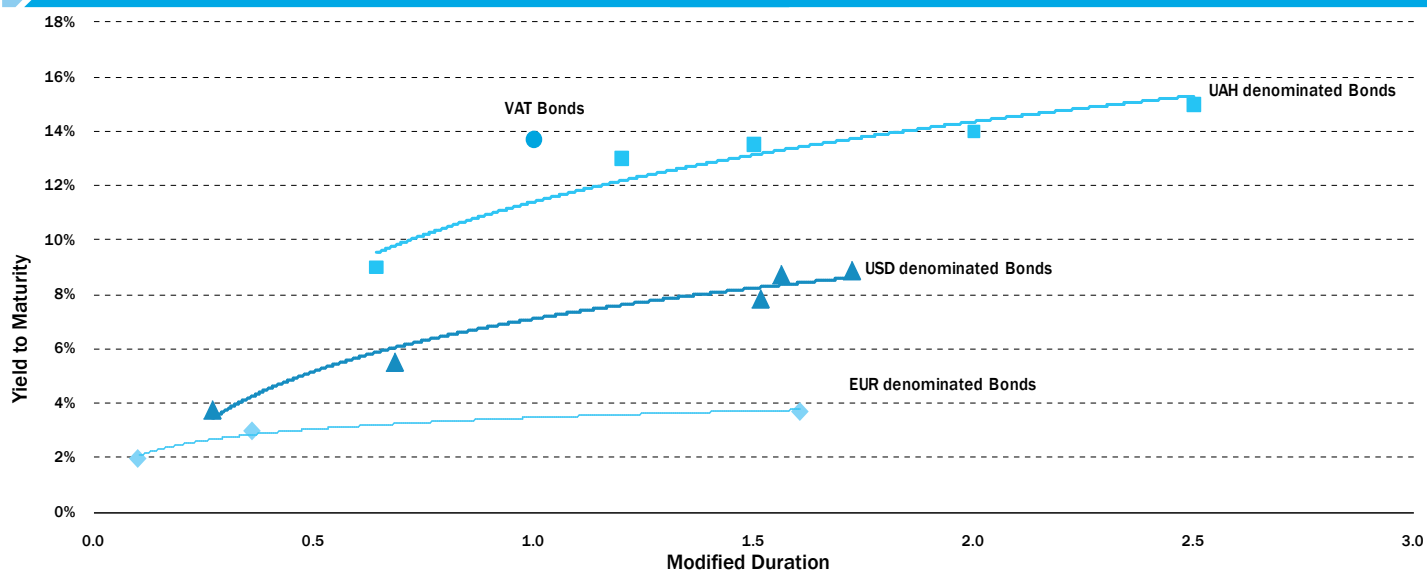
SOVEREIGNS vs. CORPORATE and MUNICIPAL EUROBONDS



UKRAINIAN DOMESTIC BONDS

Issue	Price (Bid)	Price (Ask)	YTM (Bid)	YTM (Ask)	Modified Duration	Coupon	Coupon Period	Maturity Date	Volume mn USD
UAH denominated Bonds									
UA4000115117			12.5%	11.5%	n/a	10.75%	S/A	26 Mar 2014	187
UA4000141592			13.5%	12.0%	n/a	14.30%	S/A	20 May 2015	31
UA4000142665			19.0%	17.0%	n/a	14.30%	S/A	24 May 2017	184
USD denominated Bonds									
UA4000138002	n/a	n/a	6.0%	4.5%	n/a	9.30%	S/A	27 Nov 2013	86
UA4000140362	n/a	n/a	8.3%	8.0%	n/a	9.20%	S/A	21 May 2014	171
UA4000142699	n/a	n/a	9.4%	8.4%	n/a	9.45%	S/A	22 Apr 2015	312
UA4000141071	n/a	n/a	9.6%	8.5%	n/a	9.45%	S/A	27 May 2015	152
UA4000142673	n/a	n/a	9.6%	8.5%	n/a	4.50%	S/A	17 Jun 2015	175
EUR denominated Bonds									
UA4000138846	n/a	n/a	5.0%	4.9%	n/a	4.80%	S/A	25 Dec 2013	70
UA4000142681	n/a	n/a	5.4%	5.3%	n/a	4.80%	S/A	6 May 2015	40
VAT Bonds									
UA4000082531			14.3%	13.8%	n/a	5.50%	S/A	21 Aug 2015	141
UA4000082622			14.3%	13.8%	n/a	5.50%	S/A	24 Aug 2015	571
UA4000083059			14.3%	13.8%	n/a	5.50%	S/A	25 Aug 2015	415

Source: Bloomberg, Cbonds, Eavex Research

DOMESTIC BONDS YIELD CURVE


Source: Bloomberg, Cbonds, Eavex Research

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