

Market Update

Equity

Ukrainian stocks were higher on Thursday (Dec 3) on thin turnover, with no grounds to assume that the persistent downward trend is reversing amid rising doubts about the Ukrainian government's commitment to the country's IMF loan program. The UX index rose 0.9% to close at 711 points. UkrNafta (UNAF) and Azovstal (AZST) added most points to the benchmark, with both advancing by around 4.5%, while Avdyivka Coke (AVDK) edged down 0.6% to UAH 1.07 per share. On the interbank currency market, the hryvnia had a firm gain of 1.1% against the dollar to close at 23.05/23.20 UAH/USD. In London trading, Avangard (AVGR) jumped 8.9% to USD 1.59 and MHP (MHPC) edged up 0.4% to close at USD 9.60. Warsaw-listed Ukrainian agro issues finished mixed, with Astarta (AST) appreciating by 2.8% to PLN 34.95 while Kernel (KER) slipped 2.2% to PLN 48.60 after the disclosure that one of the company's managers unloaded 360,000 shares at an average price of PLN 48.30. Lugansk-based Agrotion (AGT) moved down by 1.3% to PLN 1.03.

Fixed Income

Ukrainian sovereign bonds declined on Thursday with both Ukraine-19s and Ukraine-27s down by 1.0p.p. to 95.5/96.3 (9.2%/8.9%) and 91.0/91.8 (9.0%/8.9%), respectively. In the corporate universe, DTEK-18s improved by 1.5p.p. to 50.0/54.0 (48.7%/44.0%) while Metinvest-16s dropped by 1.1p.p. closing at 63.4/69.1.

Volume Leaders	Ticker	Last, UAH	1D ch	Volume, UAH mn	Number of Trades
Donbasenergo	DOEN	16.67	0.7%	0.44	11
Motor Sich	MSICH	1990.00	0.9%	0.39	34
Avdyivka Coke	AVDK	1.07	-0.6%	0.20	10

Growth Leaders

Ukrnafta	UNAF	191.40	4.6%	0.022	6
Azovstal	AZST	0.43	4.5%	0.005	11
Raiffeisen Bank Aval	BAVL	0.08	1.1%	0.137	31

Loss Leaders

Bogdan Motors	LUAZ	0.01	-2.1%	0.004	10
Avdyivka Coke	AVDK	1.07	-0.6%	0.196	10
Centrenergo	CEEN	4.44	0.1%	0.145	39

Highlights

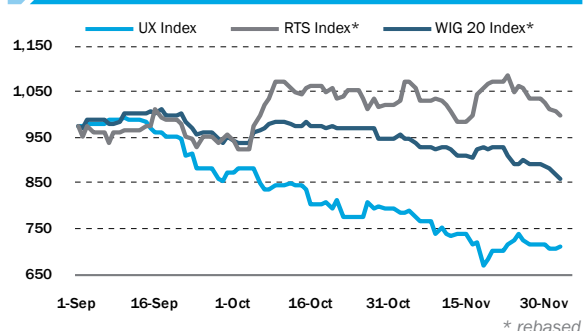
POLITICS AND ECONOMICS

- Ukraine Steel Woes Continue as November Output Falls 3.5% MoM

STOCKS IN THE NEWS

- CentrErgo Becomes Profitable in 4Q15

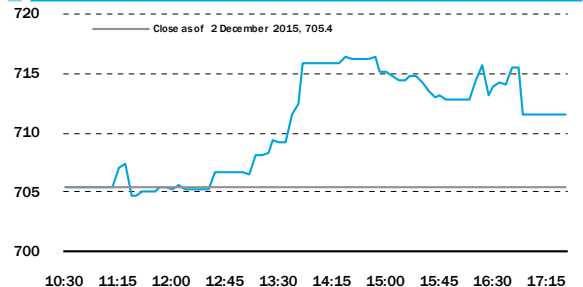
STOCK MARKET PERFORMANCE



MARKET INDEXES

	Last	1D ch	1M ch	YTD
UX	711.5	0.9%	-9.5%	-31.1%
RTS	827.0	-0.8%	-3.1%	4.6%
WIG20	1868.0	-1.0%	-10.1%	-19.3%
MSCI EM	819.3	-0.3%	-3.6%	-14.3%
S&P 500	2049.6	-1.4%	-2.6%	-0.5%

UX INTRADAY DECEMBER 3, 2015



FIXED INCOME

	Last	1D ch	1M ch	YTD
EMBI+Global	422.2	-0.7%	1.5%	4.5%
CDS 5Y UKR	1050.0	0.0%	0.0%	-52.3%
Ukraine-19	9.1%	0.3 p.p.	n/a	n/a
Ukraine-27	8.9%	0.1 p.p.	n/a	n/a
MHP-20	11.0%	0.1 p.p.	-1.1 p.p.	-6.5 p.p.
RAILUA-18	16.1%	-0.1 p.p.	-3.7 p.p.	-17.7 p.p.

CURRENCY

	Last, UAH	1D ch	1M ch	YTD
USD	23.10	-1.3%	0.2%	46.0%
EUR	25.15	0.5%	-2.2%	31.4%
RUB	0.34	-1.5%	-5.6%	24.5%

COMMODITIES

	Last	1D ch	1M ch	YTD
Wheat, USD/t*	188.6	0.0%	-3.7%	-23.4%
Steel, USD/t	262.5	0.0%	-5.4%	-41.7%
Oil, USD/bbl	43.8	3.2%	-11.6%	-31.7%
Gold, USD/oz	1062.2	0.8%	-6.3%	-10.4%

*Ukraine FOB

Source: Bloomberg, Ukrainian Exchange

Ukraine Steel Woes Continue as November Output Falls 3.5% MoM

by Ivan Dzvinka
i.dzvinka@eavex.com.ua

NEWS

Ukrainian steel mills smelted 1.89mn tonnes of steel in November, according to data from the industry association MetallurgProm released earlier this week (Dec 1). Although the reported figure represents a 3.6% YoY increase, compared to October, average daily production in November fell 3.5% MoM to 62,900 tonnes. Year-to-date through Nov 30, Ukraine's overall steel output is down by 16.8% YoY to 21.0mn tonnes.

COMMENTARY

November steel production in Ukraine was near the lower band of the range of 1.87-2.17mn tonnes observed since this April. The disappointing operating results picture for the month is a result of continued depressed global steel prices, which are currently at a 13-year low due to heavy Chinese over-production and exporting. Importantly, if steel prices do not bottom out in the near term, we are likely to see a further drop in Ukrainian output in the coming months. This is because several of the country's steel mills are now operating very close to the breakeven level, and the dumping approach applied by Chinese steel exporters is making the task of filling order books much more complicated than before. This adverse output situation coupled with low pricing are translating into substantially lower export earnings from one of the core hard currency generating sectors of the Ukrainian economy.

CentrEnergO Becomes Profitable in 4Q15

by Dmitry Churin
d.churin@eavex.com.ua

CENTRENERGO (CEEN UK)

Price: UAH 4.44 Market Cap: USD 71mn

	EV/S	P/E	EV/EBITDA	Div. Yield
2014	0.1	12.0	2.1	1.3%
2015E	0.2	15.3	4.1	0.0%

NEWS

State-controlled CentrEnergO, Ukraine's second-largest thermal electricity generator, said that it has become profitable in 4Q15 after finishing 9M15 with a net loss of UAH 82mn (USD 3.8mn), according to the company's press release on its official website. CentrEnergO reported that it earned net profits of UAH 104mn in October and UAH 60mn in November.

In a separate statement, CentrEnergO said that 168,000 tonnes of anthracite coal from South Africa are arriving today (Dec 4) and that another similar-sized delivery has been scheduled for late January. The company reported the coal price for the imports is USD 65 per tonne.

COMMENTARY

CentrEnergO is a highly non-transparent entity and it is difficult to verify the real situation with its financials to explain the reason for the reported turnaround in 4Q, a period in which the thermal generation sector traditionally sees net losses. The South African coal has been procured in conjunction with the Energy Ministry, which continues to be the agency in charge of CentrEnergO ahead of its possible privatization (the state owns a 78% stake). Reports that CentrEnergO faced problems with anthracite coal supplies had hit the company's shares, which lost 18% of their value in November. The stock is currently traded at UAH 4.44, an all-time [USD-denominated] low, but information about the 4Q profitability could provide a short-term boost for the stock. We are revising our forecast for the FY15 financial results for the company from a heavy net loss of UAH 600mn to a moderate net profit of UAH 100mn. Our estimates imply that the stock is trading at EV/EBITDA of 4.1x and P/E of 15.3x.

EAVEX RECOMMENDATIONS

Name	Ticker	Price, per share	Target price, per share	Upside, %	Rating	Commentary
Agriculture						
Kernel	KER PW	48.6	57.20	18%	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	9.6	12.03	26%	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	33.7	36.1	7%	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	6.3	9.4	49%	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	89.0	80.8	-9%	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	25.3	23.0	-9%	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	0.43	0.56	30%	SELL	Non-transparent accounting practices overseen by majority owner Metinvest detrimentally affect Azovstal's reported earnings.
Coke						
Avdyivka Coke	AVDK	1.07	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	1990	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	27.5	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	16.7	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	4.44	15.00	238%	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	0.083	0.24	190%	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	711.46	1158.71	656.99	0.9%	-1.9%	-9.5%	-31.1%	0.0%	0.0%	0.0%	0.0%
Steel												
Alchevsk Steel	ALMK	0.012	0.019	0.010	0.0%	-6.5%	6.4%	-20.0%	-0.9%	-4.6%	15.9%	11.1%
Azovstal	AZST	0.43	0.89	0.34	4.9%	-6.2%	-25.7%	-42.7%	4.1%	-4.3%	-16.3%	-11.5%
Enakievo Steel	ENMZ	16.30	24.88	14.03	0.0%	1.9%	-0.6%	-22.2%	-0.9%	3.8%	8.9%	9.0%
Coke												
Avdyivka Coke	AVDK	1.07	2.04	0.86	-0.6%	-0.8%	-0.9%	-38.1%	-1.4%	1.0%	8.5%	-6.9%
Yasynivsky Coking	YASK	0.33	0.43	0.06	0.0%	0.0%	32.0%	17.9%	-0.9%	1.9%	41.5%	49.0%
Iron Ore Mining												
Centralny GOK	CGOK	5.00	n/a	n/a	0.0%	0.0%	-28.1%	-35.8%	-0.9%	1.9%	-18.6%	-4.7%
Ferrexpo	FXPO	25.25	80.00	25.25	-2.9%	-9.8%	-21.7%	-52.4%	-3.7%	-7.9%	-12.2%	-21.2%
Pivnichny GOK	SGOK	3.99	12.30	2.20	0.0%	-13.8%	14.0%	-52.3%	-0.9%	-11.9%	23.5%	-21.2%
Coal Mining												
Pokrovske Mine	SHCHZ	0.35	n/a	n/a	0.0%	40.0%	40.0%	-25.5%	-0.9%	41.9%	49.5%	5.6%
Pipe Manufacturing												
Khartsyzk Pipe	HRTR	0.16	0.59	0.12	0.0%	14.3%	-15.8%	-57.9%	-0.9%	16.2%	-6.3%	-26.7%
Railcar Manufacturing												
Kryukiv Wagon	KVBZ	8.30	13.90	7.40	-6.2%	-5.7%	-13.5%	-35.4%	-7.1%	-3.8%	-4.1%	-4.3%
Luhanskteplovoz	LTPL	0.75	n/a	n/a	0.0%	-2.6%	36.4%	-30.6%	-0.9%	-0.7%	45.8%	0.6%
Specialized Machinery												
Motor Sich	MSICH	1990	2939	1889	0.9%	1.1%	-1.4%	-19.9%	0.1%	3.0%	8.0%	11.3%
Turboatom	TATM	4.10	n/a	n/a	0.0%	0.0%	n/a	n/a	-0.9%	1.9%	n/a	n/a
Telecom												
Ukrtelecom	UTLM	0.09	0.21	0.09	0.0%	1.7%	-38.7%	-39.5%	-0.9%	3.5%	-29.2%	-8.3%
Oil & Gas												
Regal Petroleum	RPT	3.75	6.50	3.13	-2.7%	-1.2%	-2.6%	20.0%	-3.6%	0.7%	6.9%	51.1%
JKX Oil	JKX	27.50	37.38	11.00	-0.9%	-3.5%	0.0%	129.2%	-1.8%	-1.6%	9.5%	160.3%
Ukrnafta	UNAF	191.4	337.6	165.0	4.6%	0.2%	-10.9%	-5.9%	3.7%	2.0%	-1.5%	25.3%
Power Utilities												
Centrenergo	CEEN	4.44	8.50	4.20	0.1%	-3.5%	-17.6%	-41.1%	-0.8%	-1.6%	-8.2%	-10.0%
Donbasenergo	DOEN	16.67	35.28	15.24	0.7%	-2.2%	-4.7%	-49.5%	-0.1%	-0.3%	4.7%	-18.3%
Zakhidenergo	ZAEN	85.0	193.9	52.0	0.0%	-11.5%	-10.5%	-42.6%	-0.9%	-9.6%	-1.1%	-11.5%
Consumer												
Agroton	AGT	1.04	1.52	0.95	-1.0%	-1.9%	-14.0%	-15.4%	-1.8%	0.0%	-4.6%	15.7%
Astarta	AST	33.70	38.50	16.25	-0.9%	-5.9%	-10.0%	68.5%	-1.7%	-4.0%	-0.5%	99.6%
Avangardo	AVGR	1.59	4.80	0.23	8.9%	-0.6%	44.5%	-22.4%	8.1%	1.3%	54.0%	8.7%
Industrial Milk Company	IMC	6.30	7.24	4.38	-0.5%	-4.4%	-6.7%	11.1%	-1.3%	-2.5%	2.8%	42.3%
Kernel	KER	48.55	55.20	26.10	-2.3%	2.0%	-8.0%	70.6%	-3.2%	3.9%	1.4%	101.7%
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	9.58	12.05	8.24	0.4%	0.8%	1.8%	4.1%	-0.4%	2.7%	11.3%	35.3%
Milkiland	MLK	1.60	3.50	0.89	8.1%	-4.2%	-19.2%	8.1%	7.3%	-2.3%	-9.7%	39.3%
Ovostar Union	OVO	89.00	89.51	68.00	0.0%	2.3%	2.0%	23.6%	-0.9%	4.2%	11.5%	54.8%
Chemicals												
Stirol	STIR	5.90	n/a	n/a	0.0%	0.0%	13.5%	-14.9%	-0.9%	1.9%	22.9%	16.3%
Banks												
Raiffeisen Bank Aval	BAVL	0.083	0.114	0.069	1.1%	2.2%	6.2%	-13.8%	0.2%	4.1%	15.6%	17.4%
UkrSotsbank	USCB	0.094	0.150	0.064	0.0%	0.0%	17.5%	-27.8%	-0.9%	1.9%	27.0%	3.3%

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																
Luhanskteplovoz	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																
Centrenergo	CEEN	915	630	323	94	26	13	10.3%	4.1%	4.1%	60	6	5	6.5%	0.9%	1.4%
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	na	301	129	na	45.6%	30.9%	#VALUE!	238	-27	na	36.0%	neg	#VALUE!
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	2,626	neg	neg	neg	neg	neg	neg	1.5	3.8	9.4	679	633	614	\$/tonne
Yenakievo Steel	ENMZ	7	8.8%	1	5	neg	neg	0.3	neg	0.9	0.2	0.0	0.0	0.0	2	2	2	\$/tonne
Azovstal	AZST	78	3.0%	2	71	neg	1.0	1.2	neg	0.4	0.6	0.0	0.0	0.0	16	16	16	\$/tonne
Coke																		
Avdivka 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	254	0.3%	1	252	1.3	2.2	3.2	0.8	1.1	1.6	0.4	0.4	0.5				
Pivnichny GOK	SGOK	398	0.4%	2	391	0.7	1.2	1.8	0.4	0.6	0.8	0.2	0.3	0.3				
Ferrexpo	FXPO	230	24.0%	55	1,247	0.9	1.3	1.8	2.5	2.5	4.9	0.8	0.9	1.3				
Pipe Manufacturing																		
Khartsyzk Pipe	HRTR	18	2.0%	0	64	3.8	0.8	9.8	2.0	1.5	3.6	0.2	0.3	0.7	101	168	159	\$/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	41	5.0%	2	35	1.0	neg	neg	0.7	neg	neg	0.1	0.2	0.9				
Specialized Machinery																		
Turboatom	TATM	64	5.8%	4	34	0.9	1.2	2.8	0.4	0.5	0.9	0.2	0.2	0.3				
Motor Sich	MSICH	179	24.0%	43	184	1.1	1.4	1.9	0.5	0.5	0.8	0.2	0.2	0.3				
Telecom																		
Ukrtelecom	UTLM	75	7.2%	5	165	neg	4.1	8.2	neg	1.9	2.3	0.2	0.4	0.7				
Oil & Gas																		
Ukrnafta	UNAF	449	3.0%	13	443	19.3	4.3	1.8	1.5	1.2	0.8	0.2	0.2	0.3	n/a	n/a	n/a	\$/boe
Regal Petroleum	RPT	19	21.6%	4	-6	neg	3.2	neg	neg	-0.4	-0.6	-0.2	-0.2	-0.3	n/a	n/a	n/a	\$/boe
JKX Oil & Gas	JKX	73	50.4%	37	182	11.3	neg	14.7	2.7	2.6	2.6	1.0	1.2	1.2	33	25	24	\$/boe
Electric Utilities																		
CentrEnerg	CEEN	71	21.7%	15	54	1.2	12.1	15.4	0.6	2.1	4.1	0.1	0.1	0.2	3	4	3	\$/MWh
DonbasEnerg	DOEN	17	14.2%	2	33	0.3	2.0	neg	0.5	1.7	neg	0.1	0.1	0.2	4	4	4	\$/MWh
Consumer																		
MHP	MHPC	1,012	34.1%	345	2,175	6.2	neg	neg	5.6	3.9	4.8	1.5	1.6	1.9				
Kernel	KER	1,039	61.8%	642	1,378	9.9	neg	10.3	4.7	6.2	3.5	0.5	0.6	0.6				
Astarta	AST	226	37.0%	84	429	6.6	neg	neg	4.7	3.0	4.4	0.9	1.0	1.2				
Avangardco	AVGR	102	22.5%	23	399	0.4	neg	n/a	1.3	3.1	n/a	0.6	1.0	n/a	90	69	65	\$/mneqgs
Ovostar	OVO	143	25.0%	36	151	4.6	5.6	5.9	4.2	5.2	6.0	1.9	2.0	1.9	n/a	n/a	n/a	
Banks																		
						P/E			P/Book			P/Assets						
Raiffeisen Bank Aval	BAVL	108	3.5%	4		1.2	neg	neg	0.1	0.3	0.4	0.02	0.04	0.05				
Ukrsotsbank	USCB	315	0.2%	1		>30	>30	>30	0.4	0.6	0.9	0.07	0.14	0.18				

Source: Eavex Research

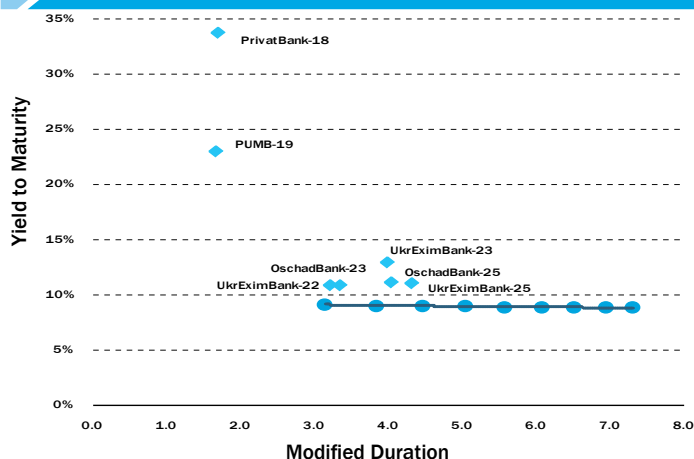
UKRAINIAN EUROBONDS

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	95.5	96.3	9.2%	8.9%	n/a	3.1	7.75%	S/A	1 Sept 2019	1,155	Caa3//CCC
Ukraine, 2020	94.9	95.8	9.1%	8.8%	n/a	3.8	7.75%	S/A	1 Sept 2020	1,531	Caa3//CCC
Ukraine, 2021	94.3	95.0	9.1%	8.9%	n/a	4.4	7.75%	S/A	1 Sept 2021	1,378	Caa3//CCC
Ukraine, 2022	93.5	94.3	9.1%	8.9%	n/a	5.0	7.75%	S/A	1 Sept 2022	1,355	Caa3//CCC
Ukraine, 2023	93.0	93.8	9.0%	8.9%	n/a	5.5	7.75%	S/A	1 Sept 2023	1,330	Caa3//CCC
Ukraine, 2024	92.5	93.3	9.0%	8.9%	n/a	6.0	7.75%	S/A	1 Sept 2024	1,315	Caa3//CCC
Ukraine, 2025	91.5	92.3	9.1%	9.0%	n/a	6.4	7.75%	S/A	1 Sept 2025	1,306	Caa3//CCC
Ukraine, 2026	91.5	92.3	9.0%	8.9%	n/a	6.9	7.75%	S/A	1 Sept 2026	1,295	Caa3//CCC
Ukraine, 2027	91.0	91.8	9.0%	8.9%	n/a	7.2	7.75%	S/A	1 Sept 2027	1,286	Caa3//CCC
Ukraine, GDP-linked (VRI)	45.3	46.3	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	124.4%	102.0%	-66.0%	1.3	8.00%	S/A	14 Jul 2019	50	//RD
MHP, 2020	90.1	91.2	11.2%	10.8%	31.4%	3.4	8.25%	S/A	2 Apr 2020	750	//CCC//CCC
Avangardco, 2018	49.0	54.0	39.4%	35.2%	-16.3%	2.3	10.00%	S/A	29 Oct 2018	206	//WD
UkrLandFarming, 2018	50.0	52.0	49.5%	47.1%	13.4%	1.6	10.88%	S/A	26 Mar 2018	500	/CC/WD
Mriya, 2016	13.0	16.0	n/a	n/a	11.5%	0.0	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	50.0	54.0	48.7%	44.0%	-33.3%	1.6	10.375%	S/A	28 Mar 2018	160	Ca//C
DTEK, 2018	44.0	47.0	52.1%	48.1%	0.0%	1.6	7.88%	S/A	4 Apr 2018	750	Ca//C
Metinvest, 2016	63.4	69.1	n/a	n/a	-16.1%	0.1	10.25%	S/A	31 Jan 2016	85	Caa3//C
Metinvest, 2017	56.2	59.1	46.9%	43.3%	-17.7%	0.8	10.50%	S/A	28 Nov 2017	290	Caa3//C
Metinvest, 2018	55.0	57.0	42.1%	40.0%	0.9%	1.6	8.75%	S/A	14 Feb 2018	750	Caa3//C
Ferrexpo, 2019	66.0	69.2	26.3%	24.4%	-13.3%	2.5	10.375%	S/A	07 Apr 2019	186	Caa3//C
Ferrexpo, 2019	55.0	57.0	42.1%	40.0%	-28.2%	1.6	10.375%	S/A	07 Apr 2019	161	Caa3//C
RailUA, 2018	86.0	88.1	16.6%	15.5%	64.2%	2.1	9.50%	S/A	21 May 2018	500	/CC/C
Interepipe, 2017	30.0	35.0	124.7%	106.5%	-40.9%	0.9	10.25%	S/A	2 Aug 2017	200	//
JKX Oil&Gas, 2018	67.7	70.7	35.7%	33.2%	18.8%	0.9	8.00%	S/A	19 Feb 2018	40	
Bank Eurobonds											
Fin&Credit Bank, 2019	8.9	11.6	142.1%	120.2%	-87.7%	1.3	9.25%	S/A	25 Jan 2019	100	//
PUMB, 2018	72.0	75.1	24.2%	22.4%	4.3%	1.6	11.00%	Q	31 Dec 2018	275	WR//NR
Nadra Bank, 2018	5.7	10.8	n/a	n/a	-34.1%	0.0	6.25%	A	31 Jul 2018	60	//
PrivatBank, 2018-2	73.0	75.0	27.9%	26.3%	18.4%	n/a	10.25%	S/A	23 Jan 2018	200	//
PrivatBank, 2021	62.5	64.5	24.1%	23.1%	n/a	3.3	11.00%	S/A	09 Feb 2021	220	//
PrivatBank, 2018	68.0	70.0	32.0%	30.3%	16.9%	1.7	10.88%	S/A	28 Feb 2018	175	//
UkrEximBank, 2022	92.4	93.4	11.3%	11.1%	19.9%	3.3	9.625%	S/A	27 Apr 2022	750	WR//C
UkrEximBank, 2023	74.1	76.8	13.4%	12.7%	50.8%	n/a	7.51%	S/A	9 Feb 2023	125	Ca//C
UkrEximBank, 2025	90.6	91.4	11.4%	11.3%	51.6%	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	91.9	92.9	11.0%	10.8%	42.2%	3.2	8.25%	S/A	10 Mar 2023	700	Ca//CC
Oschadbank, 2025	90.6	91.8	11.3%	11.1%	60.0%	4.0	8.88%	S/A	20 Mar 2025	500	Ca//CC
Municipal Eurobonds											
City of Kyiv, 2015	82.7	84.7	n/a	n/a	n/a	n/a	8.00%	S/A	6 Nov 2015	250	//
City of Kyiv, 2016	82.5	84.4	n/a	n/a	17.5%	n/a	9.375%	S/A	11 Jul 2016	300	//

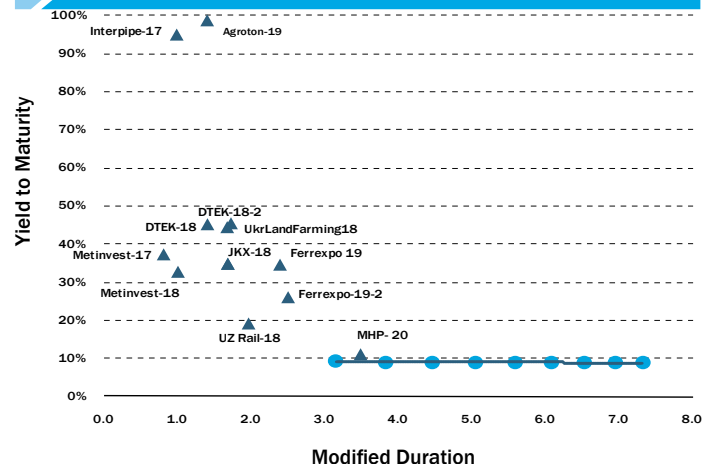
¹ Moody's/S&P/Fitch

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			21%	19%	n/a	14.30%	S/A	24 May 2017	n/a
VAT Bonds									
UA4000185151			21%	19%	1.9	9.50%	S/A	8 Jul 2019	3,577
UA4000185557			21%	19%	1.9	9.50%	S/A	22 Jul 2019	2,171
UA4000186159			21%	19%	1.9	9.50%	S/A	20 Aug 2019	955

Source: Bloomberg, Cbonds, Eavex Research

Eavex Capital

7 Klovisky uzviz, 16th Floor
Carnegie Center
Kyiv, 01021, Ukraine

Telephone: +38 044 590 5454
Facsimile: +38 044 590 5464
E-mail: office@eavex.com.ua
Web-page: www.eavex.com.ua

Yuriy Yakovenko
Chairman of the Board
yuriy.yakovenko@eavex.com.ua

SALES & TRADING
Pavel Korovitskiy
Managing Director
Equity and Fixed Income
p.korovitsky@eavex.com.ua

Alexander Klymchuk
Equity and Fixed Income
a.klymchuk@eavex.com.ua

Eugene Klymchuk
Fixed Income Sales and Trading
e.klymchuk@eavex.com.ua

Serhiy Scherbaniuk
Equity Trading
s.shcherbaniuk@eavex.com.ua

RESEARCH
Dmitry Churin
Head of Research
d.churin@eavex.com.ua

Ivan Dzvinka
Research Associate
i.dzvinka@eavex.com.ua

Will Ritter
Research editor
w.ritter@eavex.com.ua