

# **Market Monitor**

August 28, 2013

### **Market Update**

### **Equity**

Ukrainian equities sold off in line with the major global markets on Tuesday (Aug 27), suffering their largest 1-day decline in 5 months, as investors braced for the fallout from what looks to be a near-certain Western military strike against the Syrian government. The UX index lost 1.9% to close at 848 points. DonbasEnergo (DOEN), the best-performing local stock over the summer, was the biggest loser, falling 5.3%. Motor Sich (MSICH) continued to slide backwards into territory not seen since the pre-QE2 days of 2011, dropping 2.9% to UAH 1711 on volume of UAH 10.3mn. Alchevsk Steel (ALMK) and CentrEnergo (CEEN) were both down 2.0%, and Raiffeisen Aval (BAVL) shed 1.6% to 9.77 kopecks. Outside the UX basket, UkrTelecom (UTLM) was the day's most notable winner, adding 3.2%. In London, JKX Oil & Gas (JKX) and MHP (MHPC) saw respective losses of 4.0% and 2.1%, with the latter ending at USD 15.35.

#### **Fixed Income**

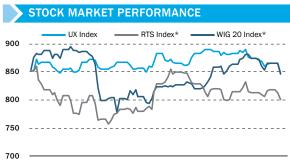
Ukrainian sovereign Eurobonds were generally lower yesterday with 10-year papers edging down 0.4 p.p. to 85.9/86.6 (9.8%/9.7%). In top corporate names, MHP-20s lost 1.0 p.p. to close at 89.6/89.8 (10.6%/10.2%).

Volume Leaders	Ticker	Last, UAH	1D ch	Volume, UAH mn	Number of Trades
Motor Sich	MSICH	1711.00	-2.9%	10.3	195
Raiffeisen Bank Aval	BAVL	0.10	-1.6%	2.0	184
Centrenergo	CEEN	5.038	-2.0%	1.8	117
Growth Leaders					
Ukrtelecom	UTLM	0.15	3.3%	0.25	12
Stirol	STIR	9.33	3.0%	0.00	11
Azovstal	AZST	0.62	-0.3%	1.62	158
Loss Leaders					
Donbasenergo	DOEN	23.26	-5.3%	1.652	183
Mariupol Heavy Machine	MZVM	0.11	-2.9%	0.288	22
Motor Sich	MSICH	1,711.00	-2.9%	10.273	195

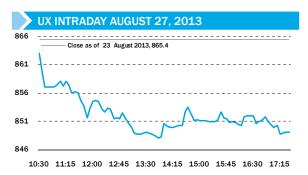
# **Highlights**

#### STOCKS IN THE NEWS

> JKX Completes Multi-Stage Fracking in Well R-103



MARKE	T INDEXES			
	Last	1D ch	1M ch	YTD
UX	848.8	-1.9%	-3.8%	-10.7%
RTS	1304.3	-2.0%	-3.3%	-14.6%
WIG20	2367.6	-2.1%	3.3%	-8.3%
MSCI EM	915.4	-1.9%	-4.8%	-13.2%
S&P 500	1630.5	-2.0%	-3.6%	16.3%



FIXED INCO	OME			
	Last	1D ch	1M ch	YTD
EMBI+Global	376.3	3.5%	13.4%	38.9%
CDS 5Y UKR	871.4	0.7%	12.4%	39.4%
Ukraine-17	9.7%	0.0 p.p.	1.0 p.p.	2.8 p.p.
Naftogaz Ukr-14	10.4%	0.1 p.p.	1.4 p.p.	2.8 p.p.
Ukraine-23	9.7%	0.1 p.p.	0.4 p.p.	2.2 p.p.
Privatbank-16	13.9%	0.3 p.p.	-0.1 p.p.	-1.4 p.p.
	23.070	о.о р.р.	0.1 p.p.	

CUR	RENCY			
	Last, UAH	1D ch	1M ch	YTD
USD	8.12	-0.1%	-0.1%	0.9%
EUR	10.87	0.0%	0.7%	1.7%
RUB	0.24	-0.6%	-1.1%	-7.6%

COMMOD				
	Last	1D ch	1M ch	YTD
Wheat, USD/t*	247.8	0.0%	-1.4%	-28.9%
Steel, USD/t	537.5	-2.3%	3.9%	0.9%
Oil, USD/bbl	114.4	3.0%	7.6%	6.7%
Gold, USD/oz	1415.1	1.2%	6.1%	-14.5%

\*Ukraine FOB

Source: Bloomberg, Ukrainian Exchange







# JKX Completes Multi-Stage Fracking in Well R-103

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

### JKX OIL&GAS (JKX LN)

Price: GBp 66.5 Market Cap: USD 177mn

	P/B	EV/S	P/E	EV/EBITDA	Div. Yield
2012	0.3	0.9	neg	1.4	0%
2013E	0.3	0.8	3.5	1.3	0%

#### **NEWS**

JKX Oil & Gas, an exploration and production company with assets based in Ukraine and Russia, has successfully completed its 10-stage multi-stage natural gas fracking in well R-103 (Ukraine), the company said this morning (Aug 28). The remaining plugs separating the fracking stages are currently being drilled out and flow-back has commenced. This flow-back phase is expected to take approximately 3 to 4 weeks, with stabilized gas flow data expected in a further 4 to 5 weeks.

#### COMMENTARY

The company said that the results of fracking operation in well R-103 were encouraging, with gas already flowing to the surface along with fracking fluids. It is anticipated that the stabilized gas flow and an indication of the well's performance capability will be evident by the end of October. There is thus currently not enough data to analyze the future contribution of the well to JKX's total output. The market was not impressed by the news, with the JKX stock sliding 4.0% to GBp 66.50 yesterday in London. However, successful completion of the fracking operation reflects favorably on the company's operating activity.



# **Recommendations**

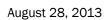
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## **EAVEX RECOMMENDATIONS**

Name	Ticker	Price, USD per share	Target price, USD per share	Upside, %	Rating	Commentary
Steel&Pipes						
Azovstal	AZST	0.08	0.07	-10%	SELL	Non-transparent reporting practices detrimentally affect Azovstal's reported earnings.
Iron Ore						
Ferrexpo	FXPO LN	2.80	3.33	19%	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	0.92	1.77	91%	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	0.78	1.30	67%	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	0.39	0.76	94%	BUY	AVDK's order book is secure thanks to its integration with Metinvest, Ukraine's largest M&M holding.
Yasynivsky Coke	YASK	0.07	0.42	509%	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	0.06	0.36	554%	BUY	We expect Pokrovske Mine to double its coking coal extraction to 9.5mn tonnes over 2010-15.
Railcar Manufacturing						
Krukiv Wagon	KVBZ	2.80	6.18	121%	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	0.19	0.64	237%	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	211	644	206%	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	0.61	1.09	79%	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	0.018	0.030	62%	BUY	Galnaftogaz is pursuing a plan to aggressively expand its filling station network.
Regal Petroleum	RPT	0.27	1.52	468%	BUY	We assume that Regal will be able to produce 5,200 boepd in 2014, generating USD 116mn in sales.
JKX Oil & Gas	JKX	1.0	6.0	482%	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	2.86	8.90	211%	BUY	DonbasEnergo is Ukraine's next big-ticket privatization object, with an auction expected to be an- nounced in summer 2013.
CenterEnergo	CEEN	0.62	1.84	197%	BUY	CentrEnergo's privatization has been postponed, but the company retains a strong fundamental value due to its large installed electricity generation capacity.
Consumer						
МНР	MHPC	15.4	24.0	56%	BUY	MHP launched production at Phase 1 of its new Vinnitsya poultry complex in late 2012. This will allow the company to expand its poultry production by some 60,000 tonnes in 2013, up from the current 384,000 tonnes.
Astarta	AST	22.60	30.0	33%	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	10.15	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







Maria	T:-1.	Today,	52 high,	52 low,		Absolute	performan	ice	Perfor	mance rela	tive to the	UX inde
Name	Ticker	UAH*	UAH*	UAH*	<b>1</b> d	1w	1m	ytd	1d	1w	1m	ytd
UX Index	UX	848.83	1106.67	758.71	-1.9%	-2.4%	-3.8%	-10.7%	0.0%	0.0%	0.0%	0.09
Steel												
Alchevsk Steel	ALMK	0.039	0.06	0.03	-2.3%	-2.8%	-2.5%	-27.9%	-0.4%	-0.4%	1.3%	-17.2%
Azovstal	AZST	0.62	0.97	0.31	-0.2%	-0.5%	-2.2%	-16.8%	1.8%	1.9%	1.6%	-6.1%
Dniprospetzstal	DNSS	n/a	1,300	700	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Enakievo Steel	ENMZ	33.6	49.9	20.0	0.0%	-1.1%	-2.9%	-11.6%	1.9%	1.2%	1.0%	-0.9%
Arcelor Mittal KR	KSTL	n/a	6.00	1.20	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Mariupol Ilyicha	MMKI	0.12	0.26	0.10	0.0%	0.0%	-7.7%	-45.5%	1.9%	2.4%	-3.8%	-34.8%
Coke												
Avdyivka Coke	AVDK	3.20	4.07	1.61	-0.1%	-0.9%	-1.0%	-2.2%	1.8%	1.5%	2.9%	8.5%
Yasynivsky Coking	YASK	0.56	0.99	0.52	0.0%	0.0%	0.0%	-16.4%	1.9%	2.4%	3.8%	-5.7%
Iron Ore Mining												
Centralny GOK	CGOK	6.30	7.74	4.00	0.0%	-2.5%	-4.0%	-8.7%	1.9%	-0.1%	-0.1%	2.0%
Ferrexpo	FXPO	2.80	4.58	2.02	-2.9%	-0.6%	8.1%	-30.4%	-1.0%	1.8%	11.9%	-19.7%
Pivnichny GOK	SGOK	7.50	10.00	5.77	-3.8%	-6.3%	-11.8%	0.8%	-1.9%	-3.9%	-7.9%	11.5%
Coal Mining												47.00
Pokrovske Mine	SHCHZ	0.45	1.05	0.40	-2.2%	7.1%	0.0%	-28.6%	-0.3%	9.5%	3.8%	-17.9%
Komsomolets Donbasa	SHKD	0.61	1.46	0.41	-6.2%	-3.2%	-32.2%	-48.3%	-4.2%	-0.8%	-28.4%	-37.6%
Energy Coal	CLE	0.77	5.77	0.59	5.9%	12.1%	19.9%	-75.0%	7.8%	14.4%	23.7%	-64.3%
Mining Machinery												00.00/
Svitlo Shakhtara	HMBZ	0.40	0.58	0.270	0.0%	0.0%	n/a	-31.0%	1.9%	2.4%	n/a	-20.3%
Pipe Manufacturing												7.00/
Khartsyzk Pipe	HRTR	0.57	0.86	0.45	-6.6%	-1.7%	-10.9%	-18.6%	-4.6%	0.6%	-7.1%	-7.9%
Interpipe NMPP	NVTR	0.19	0.60	0.10	0.0%	0.0%	5.6%	-13.6%	1.9%	2.4%	9.4%	-2.9%
Railcar Manufacturing												00.00
Kryukiv Wagon	KVBZ	22.8	29.0	12.0	0.0%	-1.6%	-2.5%	17.3%	1.9%	0.8%	1.3%	28.0%
Luhanskteplovoz	LTPL	1.54	2.04	1.28	-0.6%	-2.5%	-1.9%	-17.6%	1.3%	-0.2%	1.9%	-6.9%
Stakhanov Wagon	SVGZ	1.34	2.70	1.02	0.0%	7.2%	7.2%	-22.5%	1.9%	9.6%	11.0%	-11.8%
Specialized Machinery												7.00/
Bogdan Motors	LUAZ	0.04	0.13	0.03	-6.4%	-6.4%	-3.7%	-18.5%	-4.5%	-4.0%	0.1%	-7.8%
Motor Sich	MSICH	1,711	2,640	1,399	-2.8%	-4.3%	-5.3%	-22.6%	-0.9%	-1.9%	-1.5%	-11.9%
Sumy Frunze Engineering	SMASH	2.10	4.00	0.76	-3.7%	10.5%	-9.5%	40.0%	-1.8%	12.9%	-5.6%	50.7%
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	0.18	0.45	0.13	-3.9%	-5.6%	-1.4%	-23.9%	-2.0%	-3.3%	2.5%	-13.2%
Telecom							2.20	2.00/		= =0/		4.1%
Ukrtelecom	UTLM	0.15	0.30	0.09	0.0%	3.1%	0.3%	-6.6%	1.9%	5.5%	4.2%	4.170
Oil & Gas						2.00	40.00	====	. =0.	. =0.		-39.8%
Regal Petroleum	RPT	0.27	0.59	0.22	-0.2%	-0.9%	16.2%	-50.5%	1.7%	1.5%	20.0%	-39.6%
JKX Oil	JKX	1.03	1.38	0.75	-4.2%	-5.8%	7.5%	-13.6%	-2.2%	-3.5%	11.3%	5.8%
Ukrnafta	UNAF	113	280	80	-1.1%	-1.3%	-2.5%	-4.9%	0.9%	1.0%	1.3%	5.670
Power Utilities	OFFN	F 0.4	7.00	2.40	0.00/	4.00/	2.40/	00.00/	0.40/	0.40/	0.70/	-9.9%
Centrenergo	CEEN	5.04 23.3	7.33 26.8	3.49 15.1	-2.0%	-1.9%	-3.1% -4.3%	-20.6% 9.8%	-0.1% -3.4%	0.4% -4.4%	0.7% -0.4%	20.5%
Donbasenergo	DOEN				-5.3%	-6.8%						-3.2%
Zakhidenergo	ZAEN	83.5	116.9	70.0	-1.8%	-1.2%	-0.5%	-13.9%	0.2%	1.2%	3.4%	-5.270
Consumer	AOT	0.70	4.0	0.20	0.00/	2.00/	47.70/	70.40/	F 00/	4.40/	04.60/	-67.7%
Agroton	AGT	0.70	4.2	0.36	-6.9%	-3.8%	17.7%	-78.4%	-5.0%	-1.4%	21.6%	37.6%
Astarta	AST	22.6	24.4	14.5	-1.4%	-4.2%	0.2%	26.9%	0.5%	-1.8%	4.0%	0.3%
Avangardo	AVGR	10.2	12.0	7.61	0.5%	3.0%	18.0%	-10.4%	2.4%	5.4%	21.9%	-0.8%
Industrial Milk Company Kernel	IMC KER	4.69 14.9	5.48	3.63 14.0	-1.3%	-4.5% 1.4%	-4.5% 7.7%	-11.6%	0.6% -0.3%	-2.2% 3.8%	-0.6% -3.9%	-20.7%
		5.98	22.7 6.7	5.36	-2.3% 0.0%	-3.1%	-7.7% 0.0%	-31.4% -7.8%	1.9%	-0.7%	-3.9% 3.8%	2.9%
Mriya Agro Holding MHPC	MAYA MHPC	5.98 15.4	19.9	13.45	-2.1%	-3.1% -6.1%	-15.3%	-7.8% 0.8%	-0.2%	-0.7%	-11.5%	11.5%
Milkiland	MLK	3.67		3.11	-2.1%			-22.0%	0.2%	2.9%	1.2%	-11.3%
			5.8			0.6%	-2.6%					3.4%
Ovostar Union	OVO	26.8	33.8	21.3	-2.5%	-0.7%	9.5%	-7.3%	-0.6%	1.6%	13.3%	n/a
Sintal MCR Agricolo	SNPS 4CW1	n/a	0.72	0.19	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
MCB Agricole	4GW1	n/a	0.66	0.39	n/a	n/a	n/a	n/a	n/a	n/a	n/a	11/ 0
Chemicals	CTID	0.2	10 5	0.0	2 20/	0.40/	0.40/	20.40/	E 20/	1.00/	E 60/	-19.7%
Stirol	STIR	9.3	18.5	9.0	3.3%	-0.4%	-9.4%	-30.4%	5.2%	1.9%	-5.6%	10.170
Banks Raiffeisen Bank Aval	BAVL	0.098	0.128	0.061	-1.6%	-1.2%	-4.7%	14.0%	0.3%	1.1%	-0.8%	24.7%
UkrSotsbank	USCB	0.098	0.128	0.061	-0.9%	- <b>1.</b> 270	-4.170	14.0%	0.5%	⊥.⊥%	-0.6%	/0

Source: Bloomberg \* companies listed abroad are in USD



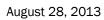




Name	Ticker	N	let Sales	6		<b>EBITDA</b>		EB	ITDA ma	argin	N	et Profit		Net	Profit m	argin
		2011	2012E	2013E	2011	2012E	2013E	2011	2012E	2013E	2011	2012	2013E	2011	2012E	2013E
Steel																
Alchevsk Steel	ALMK	2,339	1,695	1,667	145	-21	-2	6.2%	neg	neg	36	-127	-52	1.6%	neg	neg
Enakievo Steel	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	022					· · ·										
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		50	11.0%	10.7%	7.9%
Stakhanov Wagon	SVGZ	437	311	318	33	7	11	7.6%	2.3%	3.4%	20		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		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		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		232	35.5%	36.3%	33.1%
Agroton	AGT	122	93	107	19	31	33	15.3%	33.5%	31.0%	-2		21	neg	20.0%	19.5%
Banks			Total Ass			Total Equ			Total Inco		_	Net Pro			urn on Eq	
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%
Ukrsotsbank	USCB	5.032	5,151	5,064	827	814	788	449	451	469	2		13	0.2%	0.3%	1.7%

Source: Eavex Research



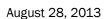




	Ticker	MCap		Float	EV		P/E			V/EBITD		Е	V/Sales	5		//Outp		Units
	HOROI	USD mn	% I	JSD mn	USD mn	2011	2012	2013E	2011	2012	2013E	2011	2012	2013E	2011	2012	2013E	Omto
Steel																		
Alchevsk Steel	ALMK	122	3.9%	5	1,538	3.4	neg	neg	10.6	neg	neg	0.7	0.9	0.9	530	457	412	\$/tonne
Yenakievo Steel Azovstal	ENMZ	44	8.8%	4	36	1.4	5.1	neg	neg	neg	neg	0.0	0.0	0.0	14	14	13	\$/tonne
	AZST	318	4.1%	13	297	neg	neg	neg	neg	neg	neg	0.1	0.1	0.1	53	50	48	\$/tonne
Coke																		
Avdyivka Coke	AVDK	77	7.5%	6	74	neg	neg	neg	12.2	neg	neg	0.1	0.1	0.1	21	16	13	\$/tonne
Yasynivsky Coke	YASK	19	9.0%	2	48	1.3	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	909	0.5%	5	909	2.8	9.6	8.7	1.8	3.8	4.5	1.1	1.6	1.8				
Pivnichny GOK	SGOK	2,128	0.5%	12	2,253	2.7	4.9	5.9	1.9	2.8	3.5	1.2	1.5	1.7				
Ferrexpo	FXPO	1,649	24.0%	396	1,900	2.9	7.7	6.3	2.4	4.7	4.3	1.1	1.3	1.2				
Coal Mining																		
Komsomolets Donbasa	SHKD	25	5.4%	1	127	1.6	0.7	0.7	1.9	1.3	1.4	0.7	0.5	0.5	31	30	28	\$/tonne
Coal Energy	CLE	35	11.9%	4	60	1.0	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	182	2.0%	4	225	1.9	5.4	5.3	1.6	3.0	2.9	0.3	0.3	0.3	357	592	562	\$/tonne
Railcar Manufacturing																		
LuganskTeplovoz	LTPL	42	24.0%	10	41	4.6	6.0	5.1	3.0	3.3	2.7	0.2	0.2	0.2				
Krukiv Wagon	KVBZ	321	5.0%	16	324	3.8	3.4	6.4	2.7	2.4	3.5	0.4	0.4	0.5				
Stakhanov Wagon	SVGZ	37	8.0%	3	76	1.9	>30	13.0	2.3	10.7	7.0	0.2	0.2	0.2				
Specialized Machinery																		
Turboatom	TATM	182	5.8%	11	130	3.4	4.8	4.4	2.1	2.8	2.5	0.8	0.8	0.7				
Motor Sich	MSICH	438	24.0%	105	448	2.6	1.8	1.6	1.6	1.4	1.4	0.6	0.5	0.5				
Telecom																		
Ukrtelecom	UTLM	345	7.2%	25	681	neg	7.6	7.2	3.3	3.3	3.3	0.8	0.8	0.9				
Oil & Gas																		
Ukrnafta	UNAF	753	3.0%	23	743	2.8	2.4	3.3	1.7	1.5	1.7	0.2	0.3	0.3	n/a	n/a	n/a	\$/boe
Regal Petroleum	RPT	86	49.0%	42	68	13.4	7.2	3.6	neg	3.0	1.9	3.6	1.4	0.9	n/a	n/a	n/a	\$/boe
JKX Oil & Gas	JKX	177	50.4%	89	286	3.0	4.4	3.5	2.5	2.0	1.9	1.2	1.3	1.1	75	52	39	\$/boe
Electric Utilities																		
CentrEnergo	CEEN	229	21.7%	50	312	>30	7.9	6.9	6.4	5.1	4.6	0.3	0.3	0.3	21	22	18	\$/MWh
DonbasEnergo	DOEN	68	14.2%	10	124	neg	17.7	6.7	6.0	7.2	5.2	0.3	0.2	0.2	15	15	14	\$/MWh
Consumer																		
MHP	MHPC	1,624	34.1%	554	2,669	6.3	5.2	6.0	6.7	5.7	5.1	2.2	1.9	1.7	8339	8339	8339	\$/tonne
Kernel	KER	1,095	61.8%	676	1,705	4.8	5.2	5.6	5.5	5.3	5.0	0.9	0.8	0.6				
Astarta	AST	566	31.0%	176	713	5.0	11.3	9.6	5.0	7.3	5.9	1.8	1.6	1.3	3615	2201	1828	\$/tonne
Avangardco	AVGR	648	22.5%	146	797	3.3	2.8	2.8	3.2	2.8	2.7	1.4	1.3	1.1	180	137	129	\$/mneggs
Agroton	AGT	15	44.6%	7	48	neg	0.8	0.7	2.6	1.6	1.5	0.4	0.5	0.5	0.4	n/a	n/a	\$ th/ ha
Banks							P/E			P/Book			P/Asset	s				
Raiffeisen Bank Aval	BAVL	361	4.0%	15		>30	>30	12.6	0.4	0.4	0.4	0.05	0.05	0.05				
Ukrsotsbank	USCB	292	1.6%	5		>30	>30	21.8	0.4	0.4	0.4	0.06	0.06	0.06				

Source: Eavex Research

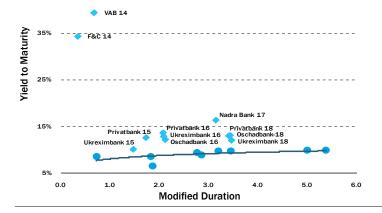


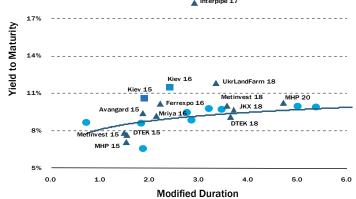




Non-religin Eurobonds		Price (Bid)	Price (Ask)	YTM (Bid)	YTM (Ask)	Price chg. (YTD)	Modified Duration	Coupon	Coupon Period	Maturity Date	Volume mn USD	Ratings
Ukraine, 2014   99.1   99.9   9.3%   8.1%   2.2%   0.7   7.95%   S/A   6.4pc, 2014   1.00	reign Eurobonds											
Neifogaz Ukraine, 2014 98.7 99.4 11.3% 10.5% 1.38% 1.0 9.50% S/A 30 Sept 2014 1.595		99.1	99.9	9.3%	8.1%	-2.2%	0.7	7.95%	S/A	6 Apr. 2014	1.000	B3/B/B
Jakraine, 2015 (EUR)   95.5   96.5   7.4%   6.8%   -1.5%   1.8   4.95%   A   13 Oct 2015   500     Jaraine, 2016   96.5   97.5   8.9%   8.3%   4.2%   1.8   6.875%   S/A   23 Sept 2015   500     Jaraine, 2016   92.5   93.5   9.4%   9.0%   -6.9%   2.8   6.58%   S/A   21 Nov 2016   1.000     Jaraine, 2017   89.5   93.5   9.0%   8.6%   -6.6%   2.9   6.25%   S/A   11 Nov 2017   700     Jaraine, 2017   89.5   99.5   99.5   99.6%   8.1%   3.2   9.25%   S/A   14 Nov 2017   700     Jaraine, 2017   98.2   98.9   9.9%   9.6%   8.1%   3.2   9.25%   S/A   24 Jul 2017   2.000     Jaraine, 2017   98.2   98.9   9.9%   9.6%   8.1%   3.2   9.25%   S/A   24 Jul 2017   2.000     Jaraine, 2017   98.2   98.9   9.9%   9.6%   8.1%   3.2   9.25%   S/A   24 Jul 2017   2.000     Jaraine, 2018   98.8   98.8   11.2%   10.5%   -5.6%   3.6   7.40%   S/A   20 Apr 2018   690     Jaraine, 2020   88.8   88.8   10.1%   9.9%   -13.3%   5.0   7.75%   S/A   23 Sept 2020   1.500     Jaraine, 2021   89.8   99.8   9.9%   9.7%   13.3%   5.0   7.75%   S/A   23 Sept 2020   1.500     Jaraine, 2022   87.1   87.9   10.0%   9.8%   -13.3%   6.1   7.80%   S/A   27 Apr 2023   1.250     Jaraine, 2023   85.9   86.6   9.8%   9.7%   13.7%   6.3   7.50%   S/A   27 Apr 2023   1.250     Jaraine, 2023   85.9   85.6   9.8%   9.7%   1.3.7%   6.3   7.50%   S/A   14 Jul 2014   50     MHP, 2020   87.7   87.9   10.4%   10.4%   10.3%   4.7   8.25%   S/A   24 Par 2015   585     MHP, 2021   10.43   10.55   7.6%   7.2%   -0.6%   1.5   10.25%   S/A   24 Par 2015   585     MHP, 2020   89.7   89.7   10.4%   10.3%   4.7   4.0%   3.3   10.88%   S/A   24 Par 2015   585     MHP, 2021   9.0%   9.0%   7.0%   1.9   10.00%   S/A   29 Oct 2015   200     Martiner, 2015   10.2   10.2   9.0%   9.0%   7.0%   1.9   10.00%   S/A   29 Oct 2015   200     Martiner, 2015   10.4   10.4   10.3   8.3%   7.5%   1.6%   1.5   9.50%   S/A   24 Par 2015   585     Martiner, 2015   10.4   10.4   10.3   8.3%   7.5%   1.6%   1.5   9.50%   S/A   24 Par 2015   500     Metimest, 2015   10.4   10.4   10.3   8.3%										•		//B
Ukraine, 2015   96.5   97.5   8.9%   8.3%   4.2%   1.8   6.875%   \$/A   23 Sept 2015   500     Ukraine, 2016   92.5   93.5   9.4%   9.0%   6.9%   2.8   6.58%   \$/A   21 Nov 2016   1.200     Ukraine, 2017   89.5   90.3   9.9%   9.6%   9.4%   3.4   6.75%   \$/A   17 Jun 2017   700     Ukraine, 2017   89.5   90.3   9.9%   9.6%   9.4%   3.4   6.75%   \$/A   24 Jul 2017   2.000     Ukraine, 2017   98.2   98.9   9.9%   9.6%   8.1%   3.2   9.25%   \$/A   24 Jul 2017   2.000     Ukraine, 2017   10fr. projects   91.8   93.8   11.2%   10.5%   5.6%   3.3   8.375%   \$/A   3 Nov 2017   568     Ukraine, 2017   10fr. projects   91.8   93.8   11.2%   10.5%   5.6%   3.3   8.375%   \$/A   24 Jul 2017   2.000     Ukraine, 2018   10fr. projects   86.8   88.5   11.4%   10.8%   -5.6%   3.6   7.40%   \$/A   20 Apr 2018   690     Ukraine, 2021   89.8   90.8   9.9%   9.7%   -13.1%   5.4   7.95%   \$/A   23 Sept 2021   1.500     Ukraine, 2022   87.1   87.9   10.0%   9.8%   13.3%   6.1   7.60%   5/A   23 Sept 2021   1.500     Ukraine, 2023   85.9   86.6   9.8%   9.7%   13.17%   6.3   7.50%   5/A   24 Apr 2023   1.250     Ukraine, 2020   89.7   89.7   10.0%   9.8%   13.37%   6.1   7.60%   5/A   24 Apr 2021   1.250     Ukraine, 2021   89.8   99.8   9.8%   9.8%   1.3.3%   6.1   7.60%   5/A   24 Apr 2021   1.250     Ukraine, 2022   87.1   87.9   76.9%   56.8%   n/a   0.6   12.50%   5/A   14 Jul 2014   50     Ukraine, 2023   85.9   86.6   9.8%   9.7%   1.31.7%   6.3   7.50%   5/A   24 Apr 2021   1.250     Ukraine, 2021   89.7   89.7   10.4%   10.4%   10.3%   4.7   8.25%   5/A   2.9 Apr 2015   56.8     Ukraine, 2022   87.1   87.9   76.9%   56.8%   n/a   0.6   12.50%   5/A   2.9 Apr 2015   50.0     Ukraine, 2023   85.9   86.6   87.8   87.7   89.7   10.4%   10.9%   10.00%   5/A   2.9 Apr 2015   50.0     Ukraine, 2021   89.7   89.7   10.4%   10.4%   10.3%   4.7   8.25%   5/A   2.9 Apr 2015   50.0     Ukraine, 2021   89.7   89.7   10.4%   10.4%   10.3%   4.7   8.25%   5/A   2.0 Not 2015   2.0	•									•		B3/B/B
Ukraine, 2016												B3/B/B
Ukraine, 2016-2  92.5  93.5  9.0%  8.6%  -6.6%  2.9  6.25%  S/A  17 Jun 2016  1.250  Ukraine, 2017  89.5  98.2  98.9  9.9%  9.9%  9.9%  9.9%  9.4%  3.4  6.75%  S/A  14 Nov 2017  70.0  Ukraine, 2017-10  98.2  98.9  9.9%  9.9%  9.9%  9.8%  3.4%  3.2  9.25%  S/A  3 Nov 2017  568  Ukraine, 2017 Infr. projects  88.8  89.8  11.4%  10.5%  5.6%  3.6  7.76%  S/A  20 Apr 2018  690  Ukraine, 2021  88.8  89.8  10.1%  9.9%  13.3%  5.0  7.75%  S/A  23 ket 2020  1.500  Ukraine, 2021  89.8  99.8  99.8  99.8  99.8  99.8  99.8  99.8  99.8  13.3%  5.0  7.75%  S/A  23 ket 2020  1.500  Ukraine, 2021  89.8  90.8  99.8  99.8  99.8  99.8  99.8  13.3%  5.0  7.75%  S/A  23 ket 2020  1.500  Ukraine, 2021  89.8  90.8  99.8  99.8  99.8  99.8  13.3%  5.1  7.50%  S/A  23 ket 2020  1.500  Ukraine, 2021  89.7  80.6  9.8%  9.7%  13.3%  5.1  7.50%  S/A  23 ket 2020  1.500  Ukraine, 2021  89.7  80.6  9.8%  9.7%  13.3%  5.1  7.50%  S/A  17 Apr 2023  1.250  Corporate Eurobonds  WHP, 2015  104.3  105.5  7.6%  7.2%  10.4%  10.4%  10.4%  10.3%  10.5%  10.25%  S/A  24 Apr 2002  750  Wangardro, 2014  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2  10.2										•		B3/B/B
Ukraine, 2017 89.5 90.3 9.9% 9.7% -9.4% 3.4 6.75% S/A 14 Nov 2017 700 Ukraine, 2017-2 98.2 98.9 9.9% 9.6% -8.1% 3.2 9.25% S/A 24 Jul 2017 2.000 Ukraine, 2017 Infr. projects 91.8 93.8 11.2% 10.5% 5.6% 3.3 8.375% S/A 24 Jul 2017 2.000 Ukraine, 2017 Infr. projects 86.8 88.5 11.4% 10.8% -5.6% 3.6 7.40% S/A 20 Apr 2018 690 Ukraine, 2020 88.8 89.8 10.1% 9.9% -13.3% 5.0 7.75% S/A 23 Sept 2020 1.500 Ukraine, 2022 89.1 87.9 89.9 9.8 9.8% 9.7% 13.3% 5.0 7.75% S/A 23 Sept 2020 1.500 Ukraine, 2022 87.1 87.9 10.0% 9.8% 13.3% 6.1 7.80% S/A 28 Nov 2022 1.250 Ukraine, 2023 85.9 86.6 9.8% 9.7% 13.7% 6.3 7.50% S/A 21 Nov 2022 1.250 Ukraine, 2023 85.9 86.6 9.8% 9.7% 13.7% 6.3 7.50% S/A 17 Apr 2023 1.250 Ukraine, 2023 85.9 86.6 9.8% 9.7% 10.0% 10.0% 5.0% 1.5 10.25% S/A 14 Jul 2014 5.0 MHP, 2015 104.3 105.5 7.6% 7.2% -0.6% 1.5 10.25% S/A 29 Apr 2015 585 MHP, 2015 104.3 105.5 7.6% 7.2% -0.6% 1.5 10.25% S/A 24 Pr 2015 585 Manageria, 2015 102.2 10.22 9.0% 9.0% 7.0% 1.9 10.00% S/A 29 Oct 2015 200 Ukraine/apragatio, 2015 102.2 10.22 9.0% 9.0% 7.0% 1.9 10.00% S/A 29 Oct 2015 200 Ukraine/apragatio, 2016 10.4 10.4 10.4 10.4 10.3 10.5 5 0.5 S/A 20 Oct 2015 200 Ukraine/apragatio, 2015 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2												B3/B/B
Ukraine, 2017-2 98.2 98.9 9.9% 9.6% -8.1% 3.2 9.25% S/A 24 Jul 2017 2,000 Ukraine, 2017 Infr. projects 91.8 93.8 11.2% 10.5% -5.6% 3.3 8.375% S/A 23 Nov 2017 568 Mexime, 2018 Infr. projects 98.8 93.8 11.2% 10.5% -5.6% 3.3 8.375% S/A 20 Apr 2018 690 Ukraine, 2020 88.8 89.8 10.1% 9.9% -13.3% 5.0 7.75% S/A 23 Sept 2020 1.500 Ukraine, 2021 89.8 90.8 9.9% 9.7% -13.1% 5.0 7.75% S/A 23 Sept 2021 1.500 Ukraine, 2022 87.1 87.9 10.0% 9.8% 13.3% 6.1 7.80% S/A 23 Feb 2021 1.500 Ukraine, 2023 85.9 86.6 9.8% 9.7% -13.1% 6.3 7.50% S/A 17 Apr 2023 1.250 Ukraine, 2023 85.9 86.6 9.8% 9.7% -13.7% 6.3 7.50% S/A 14 Jul 2014 50 Ukraine, 2023 85.9 86.6 9.8% 9.7% -13.7% 6.3 7.50% S/A 14 Jul 2014 50 Ukraine, 2023 85.9 86.6 9.8% 9.7% -10.4% 10.4% 10.2% 5.0% 1.5 10.25% S/A 24 Pr 2020 7.500 WHP, 2015 10.43 10.5.5 7.6% 7.2% 0.6% 1.5 10.25% S/A 24 Pr 2020 7.500 Wanggardoo, 2015 10.2 10.2 9.0% 9.0% 7.0% 1.9 10.00% S/A 24 Pr 2020 7.500 Wanggardoo, 2015 10.2 10.2 9.0% 9.0% 7.0% 1.9 10.00% S/A 26 Oct 2015 200 Ukrt. and Farming, 2018 95.1 9.70 12.3% 11.7% 4.0% 3.3 10.88% S/A 26 Mar 2018 275 DTEK, 2015 10.2.1 10.3.3 8.3% 7.5% 1.6% 1.5 9.50% S/A 26 Mar 2018 275 DTEK, 2015 10.4.1 10.4.6 7.8% 9.9.0% 4.7% 3.6 7.88% S/A 26 Mar 2018 275 DTEK, 2015 94.8 94.8 95.7 9.3% 9.0% 4.7% 3.6 7.88% S/A 26 Mar 2018 750 Metinvest, 2015 94.8 94.8 95.7 9.3% 9.0% 4.7% 3.6 7.88% S/A 26 Mar 2018 750 Metinvest, 2016 94.8 94.8 94.8 10.2% 9.3% 9.0% 9.0% 3.7% 3.6 7.88% S/A 24 Mar 2018 750 Metinvest, 2018 95.5 95.5 10.0% 10.0% 9.4% 3.5 9.50% S/A 24 Mar 2018 750 Metinvest, 2018 95.5 95.5 10.0% 10.0% 9.4% 3.5 9.50% S/A 24 Mar 2018 750 Metinvest, 2018 95.5 95.5 10.0% 10.0% 9.4% 3.5 9.50% S/A 24 Mar 2018 750 Metinvest, 2018 95.5 95.5 10.0% 10.0% 9.4% 3.5 9.50% S/A 24 Mar 2018 750 Metinvest, 2018 95.5 95.5 10.0% 10.0% 10.0% 9.4% 3.5 9.50% S/A 24 Mar 2018 750 Metinvest, 2018 95.5 95.5 10.0% 10.0% 10.0% 9.4% 3.5 9.50% S/A 24 Mar 2018 750 Metinvest, 2016 94.8 94.8 94.8 94.8 94.8 94.8 94.8 94.8												B3/B/B
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Ukraine, 2020   88.8   89.8   10.1%   9.9%   -13.3%   5.0   7.75%   S/A   23 Sept 2020   1,500     Ukraine, 2021   89.8   90.8   9.9%   9.7%   -13.1%   5.4   7.95%   S/A   23 Feb 2021   1,500     Ukraine, 2022   87.1   87.9   10.0%   9.8%   -13.3%   6.1   7.86%   S/A   28 Nov 2022   1,250     Ukraine, 2023   85.9   86.6   9.8%   9.7%   -13.7%   6.3   7.50%   S/A   17 Apr 2023   1,250     Corporate Eurobonds   7.50%   7.50%   7.50%   7.50%   7.50%   7.50%   7.50%   7.50%     While, 2014   65.1   73.9   76.9%   56.8%   1/a   0.6   12.50%   S/A   24 Apr 2020   750     While, 2015   104.3   105.5   7.6%   7.2%   -0.6%   1.5   10.25%   S/A   2.4 Apr 2020   750     While, 2020   89.7   89.7   10.4%   10.4%   -10.3%   4.7   8.25%   S/A   2.4 Apr 2020   750     Wangardoo, 2015   102.2   102.2   9.0%   9.0%   7.0%   1.9   10.00%   S/A   29 Oct 2015   200     Will, Landfarming, 2018   95.1   97.0   12.3%   11.7%   -4.0%   3.3   10.88%   S/A   2.6 Mar 2018   275     While, 2016   n/a												B3//
Ukraine, 2021 89.8 90.8 9.9% 9.7% -13.1% 5.4 7.95% S/A 23 Feb 2021 1,500 Ukraine, 2022 87.1 87.9 10.0% 9.8% -13.3% 6.1 7.80% S/A 28 Nov 2022 1,250 Ukraine, 2023 85.9 86.6 9.8% 9.7% -13.7% 6.3 7.50% S/A 17 Apr 2023 1,250 Corporate Eurobonds Agroton, 2014 65.1 73.9 76.9% 56.8% n/a 0.6 12.50% S/A 14 Jul 2014 50 MHP, 2015 104.3 105.5 7.6% 7.2% -0.6% 1.5 10.25% S/A 29 Apr 2015 585 MHP, 2020 89.7 89.7 10.4% 10.4% -10.3% 4.7 8.25% S/A 2 Apr 2020 750 Avangardco, 2015 102.2 102.2 9.0% 9.0% 7.0% 1.9 10.00% S/A 29 Oct 2015 200 UkrLandFarming, 2018 95.1 97.0 12.3% 11.7% 4.0% 3.3 10.88% S/A 26 Mar 2018 275 MTMya, 2016 n/a n/a n/a n/a n/a n/a n/a n/a 10.95% S/A 30 Mar 2016 250 DTEK, 2015 102.1 103.3 8.3% 7.5% 1.6% 1.5 9.50% S/A 28 Apr 2015 500 DTEK, 2016 94.8 95.7 9.3% 9.0% 4.7% 3.6 7.88% S/A 4 Apr 2018 750 Mettinvest, 2018 95.5 95.5 10.0% 10.0% -1.5% 3.6 8.75% S/A 14 Feb 2018 750 Mettinvest, 2018 94.8 94.8 10.4% 10.2% -2.7% 3.6 8.75% S/A 14 Feb 2018 750 Mettinvest, 2018 94.8 94.8 10.4% 10.2% -2.7% 3.5 9.50% S/A 24 Nay 2016 500 MKC Raine, 2017 77.0 80.1 19.0% 17.3% 3.8% 2.9 10.25% S/A 2 Aug 2017 200 MKC NIGAGS, 2018 10.14 10.4 10.2 19.0% 17.3% 3.8% 2.9 10.25% S/A 2 Aug 2017 200 MKC NIGAGS, 2018 10.14 10.4 10.8 10.5% 9.3% 1.1% 1.2 11.00% Q 31 Dec 2014 275 Nadra Bank, 2014 91.0 98.3 12.9% 1.2.4% 1.2.0% -3.4% 3.5 9.50% S/A 2 Aug 2017 200 MKC NIGAGS, 2018 10.14 10.4 10.2 10.5% 9.3% 1.1.4% 1.2 11.00% Q 31 Dec 2014 275 Nadra Bank, 2014 91.0 98.3 10.5% 9.3% 1.1.4% 1.2 11.00% Q 31 Dec 2014 275 Nadra Bank, 2014 91.0 98.3 10.5% 12.8% 8.5% 3.4 10.88% S/A 2 Peb 2018 175 UkrEximBank, 2016 88.6 90.0 12.2 12.3% 1.5.8% 3.4 10.88% S/A 2.9 Peb 2016 150 PrivatBank, 2016 88.6 90.0 12.2 11.7% 1.2.% 1.5.8% 3.4 10.88% S/A 2.9 Sept 2016 125 UkrEximBank, 2016 85.0 87.6 13.4% 12.0% 13.4% 13.6% 0.7 10.50% S/A 2.9 Sept 2016 125 UkrEximBank, 2016 88.6 90.0 12.2 11.7% 1.0.0% 3.4% 2.1 8.80% S/A 2.9 Sept 2016 125 UkrEximBank, 2016 88.6 90.0 12.2 11.7% 1.0.0% 3.4% 2.1 8.80% S/A 2.9 Sept 2016 125 UkrEximBank, 2016 88.8 86.4 13.5% 12.0% 13.4% 12.0% 13.4% 12.1	• •									•		B3/B/B
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Ukraine, 2023         85.9         86.6         9.8%         9.7%         -13.7%         6.3         7.50%         S/A         17 Apr 2023         1,250           Corporate Eurobonds           Agroton, 2014         65.1         73.9         76.9%         56.8%         n/a         0.6         12.50%         S/A         14 Jul 2014         50           MHP, 2015         104.3         105.5         7.6%         7.2%         -0.6%         1.5         10.25%         S/A         29 Apr 2015         585           MHP, 2020         89.7         10.4%         10.4%         -10.3%         4.7         8.25%         S/A         24 per 2020         750           Avangardoc, 2015         102.2         102.2         9.0%         7.0%         1.9         10.00%         S/A         26 Mer 2018         275           Mirya, 2016         n/a         n/a         n/a         n/a         n/a         n/a         n/a         1.0         9.5%         3.0         30 Mar 2016         250           DTEK, 2018         94.8         95.7         9.3%         9.0%         4.7%         1.5         9.50%         S/A         24 Apr 2018         750           DTEK, 2018         94.8												B3/B/B
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Metinvest, 2015         104.1         104.6         7.8%         7.5%         0.5%         1.5         10.25%         S/A         20 May 2015         500           Metinvest, 2018         95.5         95.5         10.0%         10.0%         -1.5%         3.6         8.75%         S/A         14 Feb 2018         750           Ferrexpo, 2016         94.8         94.8         10.4%         10.2%         -2.7%         2.2         7.875%         S/A         07 Apr 2016         500           UZ Rail, 2018         90.0         91.2         12.4%         12.0%         -9.4%         3.5         9.50%         S/A         21 May 2018         500           Interepipe, 2017         77.0         80.1         19.0%         17.3%         -3.8%         2.9         10.25%         S/A         2 Aug 2017         200           JKX Oil&Gas, 2018         101.6         103.8         10.4%         9.8%         2.7%         3.7         8.00%         S/A         19 Feb 2018         40           Bank Eurobonds           Fine&Credit Bank, 2014         91.0         94.0         39.7%         29.2%         54.2%         0.3         10.50%         S/A         25 Jan 2014         100										•		B3//B
Metinvest, 2018 95.5 95.5 10.0% 10.0% -1.5% 3.6 8.75% S/A 14 Feb 2018 750 Ferrexpo, 2016 94.8 94.8 10.4% 10.2% -2.7% 2.2 7.875% S/A 07 Apr 2016 500 UZ Rail, 2018 90.0 91.2 12.4% 12.0% -9.4% 3.5 9.50% S/A 21 May 2018 500 Interepipe, 2017 77.0 80.1 19.0% 17.3% -3.8% 2.9 10.25% S/A 2 Aug 2017 200 JKX Oil&Gas, 2018 101.6 103.8 10.4% 9.8% 2.7% 3.7 8.00% S/A 19 Feb 2018 40 Bank Eurobonds  Fin & Credit Bank, 2014 91.0 94.0 39.7% 29.2% 54.2% 0.3 10.50% S/A 25 Jan 2014 100 PUMB, 2014 101.4 102.8 10.5% 9.3% 1.1% 1.2 11.00% Q 31 Dec 2014 275 Nadra Bank, 2017 84.0 89.7 18.4% 14.3% -3.8% 3.1 8.00% A 22 Jun 2017 175 PrivatBank, 2015 93.5 95.8 13.4% 12.0% -0.1% 1.7 9.38% S/A 23 Sept 2015 200 PrivatBank, 2016 81.8 85.7 15.0% 12.8% 8.5% 2.1 8.75% S/A 9 Feb 2016 150 Ukr EximBank, 2015 97.0 98.3 10.6% 9.7% -2.2% 1.5 8.38% S/A 25 Bet 2018 175 Ukr EximBank, 2016 85.0 87.6 13.4% 12.0% 2.4% 2.1 8.40% S/A 2 Sept 2015 750 Ukr EximBank, 2016 85.0 87.6 13.4% 12.0% 2.4% 2.1 8.40% S/A 2 Sept 2016 125 Ukr EximBank, 2016 85.0 87.6 13.4% 12.0% 2.4% 2.1 8.40% S/A 2 Sept 2016 125 Ukr EximBank, 2018 88.6 90.0 12.2% 11.7% -10.7% 3.5 8.75% S/A 22 Jan 2018 500 VAB Bank, 2016 91.2 92.6 12.7% 12.0% -3.4% 2.1 8.25% S/A 10 Mar 2016 700 Oschadbank, 2016 84.8 86.4 13.5% 12.9% -14.4% 3.4 8.88% S/A 20 Mar 2018 500	2018	94.8	95.7	9.3%	9.0%	-4.7%		7.88%	S/A	4 Apr 2018	750	B3//B
Ferrexpo, 2016 94.8 94.8 10.4% 10.2% -2.7% 2.2 7.875% S/A 07 Apr 2016 500 UZ Rail, 2018 90.0 91.2 12.4% 12.0% -9.4% 3.5 9.50% S/A 21 May 2018 500 Interepipe, 2017 77.0 80.1 19.0% 17.3% -3.8% 2.9 10.25% S/A 2 Aug 2017 200 UX Oil&Gas, 2018 101.6 103.8 10.4% 9.8% 2.7% 3.7 8.00% S/A 19 Feb 2018 40 Bank Eurobonds  Fin&Credit Bank, 2014 91.0 94.0 39.7% 29.2% 54.2% 0.3 10.50% S/A 25 Jan 2014 100 PUMB, 2014 101.4 102.8 10.5% 9.3% 1.1% 1.2 11.00% Q 31 Dec 2014 275 Nadra Bank, 2017 84.0 89.7 18.4% 14.3% -3.8% 3.1 8.00% A 22 Jun 2017 175 PrivatBank, 2015 93.5 95.8 13.4% 12.0% -0.1% 1.7 9.38% S/A 23 Sept 2015 200 PrivatBank, 2016 81.8 85.7 15.0% 12.8% 8.5% 2.1 8.75% S/A 9 Feb 2016 150 PrivatBank, 2018 93.1 95.3 12.9% 12.3% -5.8% 3.4 10.88% S/A 28 Feb 2018 175 UkrEximBank, 2016 85.0 87.6 13.4% 12.0% -2.2% 1.5 8.38% S/A 2 Sept 2015 750 UkrEximBank, 2018 88.6 90.0 12.2% 11.7% -10.7% 3.5 8.75% S/A 2 Sept 2016 125 UkrEximBank, 2018 88.6 90.0 12.2% 11.7% -10.7% 3.5 8.75% S/A 2 Sept 2016 125 Oschadbank, 2016 91.2 92.6 12.7% 12.0% -3.4% 2.1 8.25% S/A 10 Mar 2014 125 Oschadbank, 2016 91.2 92.6 12.7% 12.0% -3.4% 2.1 8.25% S/A 10 Mar 2016 700 Oschadbank, 2018 84.8 86.4 13.5% 12.9% -14.4% 3.4 8.88% S/A 20 Mar 2018 500	est, 2015	104.1	104.6	7.8%	7.5%	0.5%	1.5	10.25%	S/A	20 May 2015	500	B3//B
UZ Rail, 2018 90.0 91.2 12.4% 12.0% -9.4% 3.5 9.50% S/A 21 May 2018 500 Interepipe, 2017 77.0 80.1 19.0% 17.3% -3.8% 2.9 10.25% S/A 2 Aug 2017 200 JKX Oil&Gas, 2018 101.6 103.8 10.4% 9.8% 2.7% 3.7 8.00% S/A 19 Feb 2018 40 Bank Eurobonds  Fin & Credit Bank, 2014 91.0 94.0 39.7% 29.2% 54.2% 0.3 10.50% S/A 25 Jan 2014 100 PUMB, 2014 101.4 102.8 10.5% 9.3% 1.1% 1.2 11.00% Q 31 Dec 2014 275 Nadra Bank, 2017 84.0 89.7 18.4% 14.3% -3.8% 3.1 8.00% A 22 Jun 2017 175 PrivatBank, 2015 93.5 95.8 13.4% 12.0% -0.1% 1.7 9.38% S/A 23 Sept 2015 200 PrivatBank, 2016 81.8 85.7 15.0% 12.8% 8.5% 2.1 8.75% S/A 9 Feb 2016 150 PrivatBank, 2018 93.1 95.3 12.9% 12.3% -5.8% 3.4 10.88% S/A 28 Feb 2018 175 UkrEximBank, 2016 85.0 87.6 13.4% 12.0% 2.4% 2.1 8.40% S/A 2 Sept 2015 750 UkrEximBank, 2018 88.6 90.0 12.2% 11.7% -10.7% 3.5 8.75% S/A 2 Jan 2014 125 Oschadbank, 2014 82.5 84.5 41.4% 37.4% 54.6% 0.7 10.50% Q 14 Jun 2014 125 Oschadbank, 2016 91.2 92.6 12.7% 12.0% -3.4% 2.1 8.25% S/A 10 Mar 2016 700 Oschadbank, 2018 84.8 86.4 13.5% 12.9% -14.4% 3.4 8.88% S/A 20 Mar 2018 500	est, 2018	95.5	95.5	10.0%	10.0%	-1.5%	3.6	8.75%	S/A	14 Feb 2018	750	B3//B
Interepipe, 2017 77.0 80.1 19.0% 17.3% -3.8% 2.9 10.25% S/A 2 Aug 2017 200 JKX Oil&Gas, 2018 101.6 103.8 10.4% 9.8% 2.7% 3.7 8.00% S/A 19 Feb 2018 40 Bank Eurobonds  Fin&Credit Bank, 2014 91.0 94.0 39.7% 29.2% 54.2% 0.3 10.50% S/A 25 Jan 2014 100 PUMB, 2014 101.4 102.8 10.5% 9.3% 1.1% 1.2 11.00% Q 31 Dec 2014 275 Nadra Bank, 2017 84.0 89.7 18.4% 14.3% -3.8% 3.1 8.00% A 22 Jun 2017 175 PrivatBank, 2015 93.5 95.8 13.4% 12.0% -0.1% 1.7 9.38% S/A 23 Sept 2015 200 PrivatBank, 2016 81.8 85.7 15.0% 12.8% 8.5% 2.1 8.75% S/A 9 Feb 2016 150 PrivatBank, 2018 93.1 95.3 12.9% 12.3% -5.8% 3.4 10.88% S/A 28 Feb 2018 175 UkrEximBank, 2016 85.0 87.6 13.4% 12.0% 2.4% 2.1 8.40% S/A 2 Sept 2015 750 UkrEximBank, 2016 85.0 87.6 13.4% 12.0% 2.4% 2.1 8.40% S/A 2 Sept 2016 125 UkrEximBank, 2018 88.6 90.0 12.2% 11.7% -10.7% 3.5 8.75% S/A 2 Jan 2018 500 VAB Bank, 2014 82.5 84.5 41.4% 37.4% 54.6% 0.7 10.50% Q 14 Jun 2014 125 Oschadbank, 2016 91.2 92.6 12.7% 12.0% -3.4% 2.1 8.25% S/A 10 Mar 2016 700 Oschadbank, 2018 84.8 86.4 13.5% 12.9% -14.4% 3.4 8.88% S/A 20 Mar 2018 500	po, 2016	94.8	94.8	10.4%	10.2%	-2.7%	2.2	7.875%	S/A	07 Apr 2016	500	/B/B
Bank Eurobonds Fin&Credit Bank, 2014 91.0 94.0 39.7% 29.2% 54.2% 0.3 10.50% S/A 25 Jan 2014 100 PUMB, 2014 101.4 102.8 10.5% 9.3% 1.1% 1.2 11.00% Q 31 Dec 2014 275 Nadra Bank, 2017 84.0 89.7 18.4% 14.3% -3.8% 3.1 8.00% A 22 Jun 2017 175 PrivatBank, 2015 93.5 95.8 13.4% 12.0% -0.1% 1.7 9.38% S/A 23 Sept 2015 200 PrivatBank, 2016 81.8 85.7 15.0% 12.8% 8.5% 2.1 8.75% S/A 9 Feb 2016 150 PrivatBank, 2018 93.1 95.3 12.9% 12.3% -5.8% 3.4 10.88% S/A 23 Rept 2015 750 UkrEximBank, 2016 85.0 87.6 13.4% 12.0% 2.4% 2.1 8.40% S/A 2 Sept 2015 750 UkrEximBank, 2018 88.6 90.0 12.2% 11.7% -10.7% 3.5 8.75% S/A 22 Jan 2018 500 VAB Bank, 2014 82.5 84.5 41.4% 37.4% 54.6% 0.7 10.50% Q 14 Jun 2014 125 Oschadbank, 2016 91.2 92.6 12.7% 12.0% -3.4% 2.1 8.25% S/A 10 Mar 2016 700 Oschadbank, 2018 84.8 86.4 13.5% 12.9% -14.4% 3.4 8.88% S/A 20 Mar 2018 500	il, 2018	90.0	91.2	12.4%	12.0%	-9.4%	3.5	9.50%	S/A	21 May 2018	500	/B/B-
Bank Eurobonds Fin&Credit Bank, 2014 91.0 94.0 39.7% 29.2% 54.2% 0.3 10.50% S/A 25 Jan 2014 100 PUMB, 2014 101.4 102.8 10.5% 9.3% 1.1% 1.2 11.00% Q 31 Dec 2014 275 Nadra Bank, 2017 84.0 89.7 18.4% 14.3% -3.8% 3.1 8.00% A 22 Jun 2017 175 PrivatBank, 2015 93.5 95.8 13.4% 12.0% -0.1% 1.7 9.38% S/A 23 Sept 2015 200 PrivatBank, 2016 81.8 85.7 15.0% 12.8% 8.5% 2.1 8.75% S/A 9 Feb 2016 150 PrivatBank, 2018 93.1 95.3 12.9% 12.3% -5.8% 3.4 10.88% S/A 28 Feb 2018 175 UkrEximBank, 2015 97.0 98.3 10.6% 9.7% -2.2% 1.5 8.38% S/A 27 Apr 2015 750 UkrEximBank, 2016 85.0 87.6 13.4% 12.0% 2.4% 2.1 8.40% S/A 2 Sept 2016 125 UkrEximBank, 2018 88.6 90.0 12.2% 11.7% -10.7% 3.5 8.75% S/A 22 Jan 2018 500 VAB Bank, 2014 82.5 84.5 41.4% 37.4% 54.6% 0.7 10.50% Q 14 Jun 2014 125 Oschadbank, 2016 91.2 92.6 12.7% 12.0% -3.4% 2.1 8.25% S/A 10 Mar 2016 700 Oschadbank, 2018 84.8 86.4 13.5% 12.9% -14.4% 3.4 8.88% S/A 20 Mar 2018 500	pipe, 2017	77.0	80.1	19.0%	17.3%	-3.8%	2.9	10.25%	S/A	2 Aug 2017	200	/NR/B-
Fin&Credit Bank, 2014 91.0 94.0 39.7% 29.2% 54.2% 0.3 10.50% S/A 25 Jan 2014 100 PUMB, 2014 101.4 102.8 10.5% 9.3% 1.1% 1.2 11.00% Q 31 Dec 2014 275 Nadra Bank, 2017 84.0 89.7 18.4% 14.3% -3.8% 3.1 8.00% A 22 Jun 2017 175 PrivatBank, 2015 93.5 95.8 13.4% 12.0% -0.1% 1.7 9.38% S/A 23 Sept 2015 200 PrivatBank, 2016 81.8 85.7 15.0% 12.8% 8.5% 2.1 8.75% S/A 9 Feb 2016 150 PrivatBank, 2018 93.1 95.3 12.9% 12.3% -5.8% 3.4 10.88% S/A 28 Feb 2018 175 UkrEximBank, 2015 97.0 98.3 10.6% 9.7% -2.2% 1.5 8.38% S/A 27 Apr 2015 750 UkrEximBank, 2016 85.0 87.6 13.4% 12.0% 2.4% 2.1 8.40% S/A 2 Sept 2016 125 UkrEximBank, 2018 88.6 90.0 12.2% 11.7% -10.7% 3.5 8.75% S/A 22 Jan 2018 500 VAB Bank, 2014 82.5 84.5 41.4% 37.4% 54.6% 0.7 10.50% Q 14 Jun 2014 125 Oschadbank, 2016 91.2 92.6 12.7% 12.0% -3.4% 2.1 8.25% S/A 20 Mar 2018 500 Oschadbank, 2018 84.8 86.4 13.5% 12.9% -14.4% 3.4 8.88% S/A 20 Mar 2018 500	l&Gas, 2018	101.6	103.8	10.4%	9.8%	2.7%	3.7	8.00%	S/A	19 Feb 2018	40	//
PUMB, 2014 101.4 102.8 10.5% 9.3% 1.1% 1.2 11.00% Q 31 Dec 2014 275 Nadra Bank, 2017 84.0 89.7 18.4% 14.3% -3.8% 3.1 8.00% A 22 Jun 2017 175 PrivatBank, 2015 93.5 95.8 13.4% 12.0% -0.1% 1.7 9.38% S/A 23 Sept 2015 200 PrivatBank, 2016 81.8 85.7 15.0% 12.8% 8.5% 2.1 8.75% S/A 9 Feb 2016 150 PrivatBank, 2018 93.1 95.3 12.9% 12.3% -5.8% 3.4 10.88% S/A 28 Feb 2018 175 UkrEximBank, 2015 97.0 98.3 10.6% 9.7% -2.2% 1.5 8.38% S/A 27 Apr 2015 750 UkrEximBank, 2016 85.0 87.6 13.4% 12.0% 2.4% 2.1 8.40% S/A 2 Sept 2016 125 UkrEximBank, 2018 88.6 90.0 12.2% 11.7% -10.7% 3.5 8.75% S/A 22 Jan 2018 500 VAB Bank, 2014 82.5 84.5 41.4% 37.4% 54.6% 0.7 10.50% Q 14 Jun 2014 125 Oschadbank, 2016 91.2 92.6 12.7% 12.0% -3.4% 2.1 8.25% S/A 10 Mar 2016 700 Oschadbank, 2018 84.8 86.4 13.5% 12.9% -14.4% 3.4 8.88% S/A 20 Mar 2018 500	Eurobonds											
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Nadra Bank, 2017 84.0 89.7 18.4% 14.3% -3.8% 3.1 8.00% A 22 Jun 2017 175 PrivatBank, 2015 93.5 95.8 13.4% 12.0% -0.1% 1.7 9.38% S/A 23 Sept 2015 200 PrivatBank, 2016 81.8 85.7 15.0% 12.8% 8.5% 2.1 8.75% S/A 9 Feb 2016 150 PrivatBank, 2018 93.1 95.3 12.9% 12.3% -5.8% 3.4 10.88% S/A 28 Feb 2018 175 UkrEximBank, 2015 97.0 98.3 10.6% 9.7% -2.2% 1.5 8.38% S/A 27 Apr 2015 750 UkrEximBank, 2016 85.0 87.6 13.4% 12.0% 2.4% 2.1 8.40% S/A 2 Sept 2016 125 UkrEximBank, 2018 88.6 90.0 12.2% 11.7% -10.7% 3.5 8.75% S/A 22 Jan 2018 500 VAB Bank, 2014 82.5 84.5 41.4% 37.4% 54.6% 0.7 10.50% Q 14 Jun 2014 125 Oschadbank, 2016 91.2 92.6 12.7% 12.0% -3.4% 2.1 8.25% S/A 10 Mar 2016 700 Oschadbank, 2018 84.8 86.4 13.5% 12.9% -14.4% 3.4 8.88% S/A 20 Mar 2018 500	, 2014	101.4	102.8	10.5%	9.3%	1.1%	1.2	11.00%	Q	31 Dec 2014	275	B//
PrivatBank, 2016 81.8 85.7 15.0% 12.8% 8.5% 2.1 8.75% S/A 9 Feb 2016 150 PrivatBank, 2018 93.1 95.3 12.9% 12.3% -5.8% 3.4 10.88% S/A 28 Feb 2018 175 UkrEximBank, 2015 97.0 98.3 10.6% 9.7% -2.2% 1.5 8.38% S/A 27 Apr 2015 750 UkrEximBank, 2016 85.0 87.6 13.4% 12.0% 2.4% 2.1 8.40% S/A 2 Sept 2016 125 UkrEximBank, 2018 88.6 90.0 12.2% 11.7% -10.7% 3.5 8.75% S/A 22 Jan 2018 500 VAB Bank, 2014 82.5 84.5 41.4% 37.4% 54.6% 0.7 10.50% Q 14 Jun 2014 125 Oschadbank, 2016 91.2 92.6 12.7% 12.0% -3.4% 2.1 8.25% S/A 10 Mar 2016 700 Oschadbank, 2018 84.8 86.4 13.5% 12.9% -14.4% 3.4 8.88% S/A 20 Mar 2018 500	Bank, 2017	84.0	89.7	18.4%	14.3%	-3.8%	3.1	8.00%		22 Jun 2017	175	//
PrivatBank, 2018         93.1         95.3         12.9%         12.3%         -5.8%         3.4         10.88%         S/A         28 Feb 2018         175           JkrEximBank, 2015         97.0         98.3         10.6%         9.7%         -2.2%         1.5         8.38%         S/A         27 Apr 2015         750           JkrEximBank, 2016         85.0         87.6         13.4%         12.0%         2.4%         2.1         8.40%         S/A         2 Sept 2016         125           JkrEximBank, 2018         88.6         90.0         12.2%         11.7%         -10.7%         3.5         8.75%         S/A         22 Jan 2018         500           VAB Bank, 2014         82.5         84.5         41.4%         37.4%         54.6%         0.7         10.50%         Q         14 Jun 2014         125           Oschadbank, 2016         91.2         92.6         12.7%         12.0%         -3.4%         2.1         8.25%         S/A         10 Mar 2016         700           Oschadbank, 2018         84.8         86.4         13.5%         12.9%         -14.4%         3.4         8.88%         S/A         20 Mar 2018         500	Bank, 2015	93.5	95.8	13.4%	12.0%	-0.1%	1.7	9.38%	S/A	23 Sept 2015	200	B3//
PrivatBank, 2018 93.1 95.3 12.9% 12.3% -5.8% 3.4 10.88% S/A 28 Feb 2018 175 UkrEximBank, 2015 97.0 98.3 10.6% 9.7% -2.2% 1.5 8.38% S/A 27 Apr 2015 750 UkrEximBank, 2016 85.0 87.6 13.4% 12.0% 2.4% 2.1 8.40% S/A 2 Sept 2016 125 UkrEximBank, 2018 88.6 90.0 12.2% 11.7% -10.7% 3.5 8.75% S/A 22 Jan 2018 500 VAB Bank, 2014 82.5 84.5 41.4% 37.4% 54.6% 0.7 10.50% Q 14 Jun 2014 125 Oschadbank, 2016 91.2 92.6 12.7% 12.0% -3.4% 2.1 8.25% S/A 10 Mar 2016 700 Oschadbank, 2018 84.8 86.4 13.5% 12.9% -14.4% 3.4 8.88% S/A 20 Mar 2018 500				15.0%	12.8%							B3//
UkrEximBank, 2015         97.0         98.3         10.6%         9.7%         -2.2%         1.5         8.38%         S/A         27 Apr 2015         750           UkrEximBank, 2016         85.0         87.6         13.4%         12.0%         2.4%         2.1         8.40%         S/A         2 Sept 2016         125           UkrEximBank, 2018         88.6         90.0         12.2%         11.7%         -10.7%         3.5         8.75%         S/A         22 Jan 2018         500           VAB Bank, 2014         82.5         84.5         41.4%         37.4%         54.6%         0.7         10.50%         Q         14 Jun 2014         125           Oschadbank, 2016         91.2         92.6         12.7%         12.0%         -3.4%         2.1         8.25%         S/A         10 Mar 2016         700           Oschadbank, 2018         84.8         86.4         13.5%         12.9%         -14.4%         3.4         8.88%         S/A         20 Mar 2018         500										28 Feb 2018		B3//B
UkrEximBank, 2016       85.0       87.6       13.4%       12.0%       2.4%       2.1       8.40%       S/A       2 Sept 2016       125         UkrEximBank, 2018       88.6       90.0       12.2%       11.7%       -10.7%       3.5       8.75%       S/A       22 Jan 2018       500         VAB Bank, 2014       82.5       84.5       41.4%       37.4%       54.6%       0.7       10.50%       Q       14 Jun 2014       125         Oschadbank, 2016       91.2       92.6       12.7%       12.0%       -3.4%       2.1       8.25%       S/A       10 Mar 2016       700         Oschadbank, 2018       84.8       86.4       13.5%       12.9%       -14.4%       3.4       8.88%       S/A       20 Mar 2018       500												B3//B
UkrEximBank, 2018       88.6       90.0       12.2%       11.7%       -10.7%       3.5       8.75%       S/A       22 Jan 2018       500         VAB Bank, 2014       82.5       84.5       41.4%       37.4%       54.6%       0.7       10.50%       Q       14 Jun 2014       125         Oschadbank, 2016       91.2       92.6       12.7%       12.0%       -3.4%       2.1       8.25%       S/A       10 Mar 2016       700         Oschadbank, 2018       84.8       86.4       13.5%       12.9%       -14.4%       3.4       8.88%       S/A       20 Mar 2018       500									•	•		B3//B
VAB Bank, 2014 82.5 84.5 41.4% 37.4% 54.6% 0.7 10.50% Q 14 Jun 2014 125 Oschadbank, 2016 91.2 92.6 12.7% 12.0% -3.4% 2.1 8.25% S/A 10 Mar 2016 700 Oschadbank, 2018 84.8 86.4 13.5% 12.9% -14.4% 3.4 8.88% S/A 20 Mar 2018 500												B3//B
Oschadbank, 2016     91.2     92.6     12.7%     12.0%     -3.4%     2.1     8.25%     S/A     10 Mar 2016     700       Oschadbank, 2018     84.8     86.4     13.5%     12.9%     -14.4%     3.4     8.88%     S/A     20 Mar 2018     500												Caa1//W
Oschadbank, 2018 84.8 86.4 13.5% 12.9% -14.4% 3.4 8.88% S/A 20 Mar 2018 500												B3//B
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MUNICIPAL ENTOYOTUS							<b>J</b> ,,	2.0070	3,			30,,0
·	•	9/5	06.1	11 10/	10 10/	1 00/	1.0	Q 00%	C/A	6 Nov 2015	250	B3/D /
City of Kyiv, 2015 94.5 96.1 11.1% 10.1% 1.9% 1.9 8.00% S/A 6 Nov 2015 250 City of Kyiv, 2016 94.2 96.3 11.8% 10.9% 1.8% 2.4 9.375% S/A 30 Jun 2016 300	•											B3/B-/ B3/B-/

# **SOVEREIGNS vs. BANKING EUROBONDS**

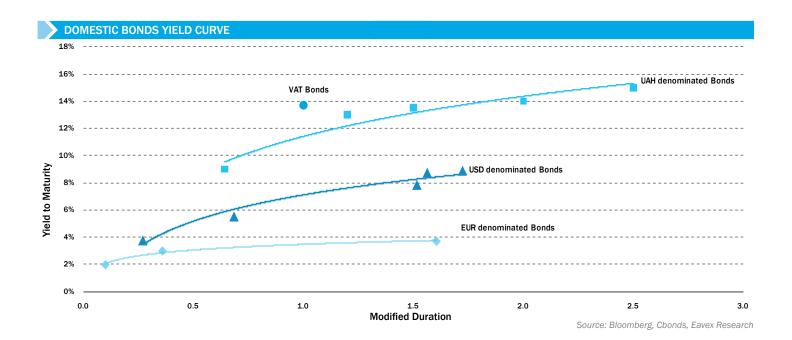






UKRAINIAN	DOMESTIC BON	NDS							
Issue	Price (Bid)	Price (Ask)	YTM (Bid)	YTM (Ask)	Modified Duration	Coupon	Coupon Period	Maturity Date	Volume mn USD
UAH denominated	Bonds								
UA4000115117			12.5%	10.8%	n/a	10.75%	S/A	26 Mar 2014	187
UA4000141592			14.5%	13.0%	1.5	14.30%	S/A	20 May 2015	31
UA4000142665			18.0%	16.0%	2.0	14.30%	S/A	24 May 2017	184
USD denominated	l Bonds								
UA4000138002	100.9	101.0	6.0%	4.5%	0.4	9.30%	S/A	27 Nov 2013	86
UA4000140362	101.6	102.1	8.2%	7.0%	0.9	9.20%	S/A	21 May 2014	171
UA4000142699	101.3	103.0	9.1%	8.0%	1.7	9.45%	S/A	22 Apr 2015	312
UA4000141071	102.5	103.5	9.1%	8.0%	1.7	9.45%	S/A	27 May 2015	152
UA4000142673	93.4	94.4	9.2%	8.2%	1.9	4.50%	S/A	17 Jun 2015	175
EUR denominated	Bonds								
UA4000137731	100.6	100.8	5.1%	4.9%	0.3	4.80%	S/A	18 Sept 2013	205
UA4000138846	101.0	101.3	5.0%	4.9%	0.5	4.80%	S/A	25 Dec 2013	70
UA4000142681	102.5	102.6	5.4%	5.3%	1.8	4.80%	S/A	6 May 2015	40
VAT Bonds									
UA4000082531			14.5%	13.0%	n/a	5.50%	S/A	21 Aug 2015	141
UA4000082622			14.5%	13.0%	n/a	5.50%	S/A	24 Aug 2015	571
UA4000083059			14.5%	13.0%	n/a	5.50%	S/A	25 Aug 2015	415

Source: Bloomberg, Chonds, Eavex Research





**Eavex Capital** 

Evropa Plaza

33 Shevchenko Blvd.

Floor 11

Kyiv, Ukraine, 01032

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 & Fixed Income** 

a.klymchuk@eavex.com.ua

Eugene Klymchuk

Fixed Income Sales & Trading

e.klymchuk@eavex.com.ua

Artem Mateshko

**Equity Trading** 

a.mateshko@eavex.com.ua

Serhiy Scherbaniuk

**Equity Trading** 

s.shcherbaniuk@eavex.com.ua

Nazar Malinyak

**Online Trading** 

n.malinyak@eavex.com.ua

RESEARCH

**Dmitry Churin** 

**Head of Research** 

nead of Nescarcii

d.churin@eavex.com.ua

Ivan Dzvinka

**Research Associate** 

i.dzvinka@eavex.com.ua

Will Ritter

Research editor

w.ritter@eavex.com.ua

**INVESTMENT BANKING** 

Anatoliy Zaslavchik

**Managing Director** 

Corporate Finance & IB

a.zaslavchik@eavex.com.ua

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