

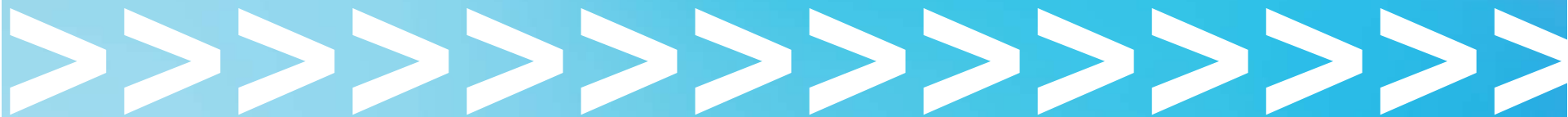
JODI DATA: BETTER DATA – BETTER DECISIONS

Institute of Directors– LONDON
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Bloomberg

ANALYSING ENERGY DATA



TIMELINESS OF DATA DELIVERY

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Kuwait Crude Oil Exports Rise to 2.09M B/D in Nov.: JODI

By Rinat Gaynullin

(Bloomberg) -- Exports rose 9.7% from 1.905m b/d in Oct., +10.2% y/y.

- Kuwait produced 2.9m b/d of crude oil in Nov.
- Crude oil output rose 3.6% from 2.8m b/d in Oct., +3.9% y/y
- Refinery intake fell 9.5% to 0.81m b/d in Nov., -9.4% y/y.
- Summary table `{NSN 0157816NKMYQ <GO>}`

Kuwait's November Crude Oil Output and Exports (Table)

By Rinat Gaynullin

(Bloomberg) -- Following is a summary of Kuwait's November crude oil output and exports data from the JODI-Oil World Database in Riyadh.

	Nov. 2015	Oct. 2015	Sept. 2015	Aug. 2015	July 2015	June 2015	May 2015
----- Avg. Daily MoM% -----							
Crude Oil Output*	3.6%	-3.4%	0.3%	2.5%	-0.2%	-0.2%	-1.0%
Exports**	9.7%	-5.1%	2.6%	3.9%	-0.6%	0.0%	-1.7%
Refinery intake***	-9.5%	0.3%	-4.4%	-0.4%	0.8%	-0.5%	0.2%
----- '000 Barrels MoM% -----							
Crude Oil Output*	0.2%	-0.2%	-2.9%	2.5%	3.2%	-3.4%	2.2%
Exports**	6.2%	-2.0%	-0.7%	3.9%	2.7%	-3.2%	1.6%
Refinery intake***	-12.4%	3.7%	-7.5%	-0.4%	4.1%	-3.7%	3.6%
----- Avg. Daily YoY% -----							
Crude Oil Output*	3.9%	-1.1%	0.0%	0.3%	-2.1%	0.9%	-3.3%
Exports**	10.2%	-5.0%	-4.2%	-1.7%	-5.4%	-0.4%	-6.7%
Refinery intake***	-9.4%	8.5%	11.1%	4.9%	5.4%	3.7%	4.2%

	Nov. 2015	Oct. 2015	Sept. 2015	Aug. 2015	July 2015	June 2015	May 2015
----- '000 Barrels Per Day -----							

Bloomberg News team rely on JODI data for their market reporting and analysis

CONNECTING DECISION MAKERS TO A NETWORK OF INFORMATION

Oil		1) Chart Pack				2) Options				20) Feedback				Energy Industry Reports			
1) DOE		12) API		13) BP		14) EEI		15) IEA		16) Eurostat		17) Enerdata					
● Monthly Oil Market Report (OMR)										● Annual Statistical Supplement				Updated		Nov 2015	
21) World S&D (T1)		22) Regional Demand (T2)				23) Stocks (T4)				24) Stocks on Land (T5)							
3) Collapse																	
Description		2013	2014	2015	2016	Q1-14	Q2-14	Q3-14	Q4-14	Q1-15	Q2-15	Q3-15	Q4-15	Q1-16	Q2-16	Q3-16	Q4-16
- Total Demand		91.92	92.76	94.55	95.78	91.85	91.98	93.19	94	93.56	93.9	95.43	95.28	94.81	95.11	96.47	96.71
- OECD Demand		46.02	45.68	46.17	46.21	45.74	44.77	45.87	46.34	46.45	45.29	46.67	46.24	46.38	45.42	46.36	46.66
31)	Americas	24.07	24.14	24.36	24.44	23.88	23.72	24.37	24.56	24.24	24.09	24.72	24.38	24.29	24.12	24.6	24.74
32)	Europe	13.59	13.39	13.66	13.65	12.97	13.35	13.78	13.43	13.45	13.53	14.15	13.52	13.41	13.67	13.94	13.56
33)	Pacific	8.36	8.16	8.14	8.12	8.89	7.7	7.71	8.35	8.77	7.67	7.8	8.34	8.67	7.63	7.83	8.35
- Non-OECD Demand		45.9	47.08	48.39	49.57	46.11	47.21	47.32	47.66	47.11	48.61	48.76	49.04	48.43	49.7	50.1	50.05
34)	FSU	4.72	4.92	4.86	4.84	4.63	4.86	5.14	5.05	4.58	4.9	5.04	4.92	4.66	4.79	5.02	4.91
35)	Europe	.66	.68	.7	.72	.66	.67	.69	.68	.69	.7	.71	.71	.71	.73	.71	.73
36)	China	10.26	10.61	11.25	11.64	10.39	10.58	10.47	11.02	11.02	11.26	11.28	11.44	11.35	11.72	11.7	11.77
37)	Other Asia	11.8	12	12.5	13	12.1	12.1	11.8	12.1	12.4	12.5	12.3	12.9	12.9	13	12.8	13.2
38)	Latin America	6.67	6.84	6.81	6.84	6.63	6.81	6.97	6.95	6.68	6.81	6.89	6.86	6.64	6.81	6.93	6.95
39)	Middle East	7.91	8.05	8.17	8.34	7.74	8.16	8.44	7.86	7.67	8.35	8.6	8.04	7.91	8.41	8.85	8.19
40)	Africa	3.89	3.95	4.06	4.2	4	3.99	3.87	3.96	4.08	4.06	3.95	4.13	4.23	4.21	4.11	4.27
- Total Supply		91.3	93.7	93.5	0	92.2	93.1	94.2	95.3	95	96.2	96.9	86	0	0	0	0
- OECD Supply		21	22.9	23.7	23.2	22.2	22.6	22.8	23.7	23.7	23.4	23.8	23.8	23.4	23	22.9	23.4
41)	Americas	17.2	19	19.8	19.4	18.2	18.9	19.2	19.8	19.9	19.5	19.9	19.9	19.5	19.2	19.3	19.6
42)	Europe	3.3	3.3	3.4	3.2	3.5	3.2	3.1	3.4	3.4	3.5	3.3	3.4	3.4	3.2	3	3.3
43)	Pacific	.5	.5	.5	.5	.5	.5	.5	.5	.4	.4	.5	.5	.5	.5	.5	.5
- Non-OECD Supply		29.4	29.7	30.1	29.9	29.7	29.6	29.6	30.1	30.3	30.1	30	29.9	30	29.9	29.8	29.8
44)	FSU	13.8	13.9	14	13.9	13.9	13.8	13.8	13.9	14	14	13.9	13.9	13.9	13.9	13.8	13.8
45)	Europe	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1

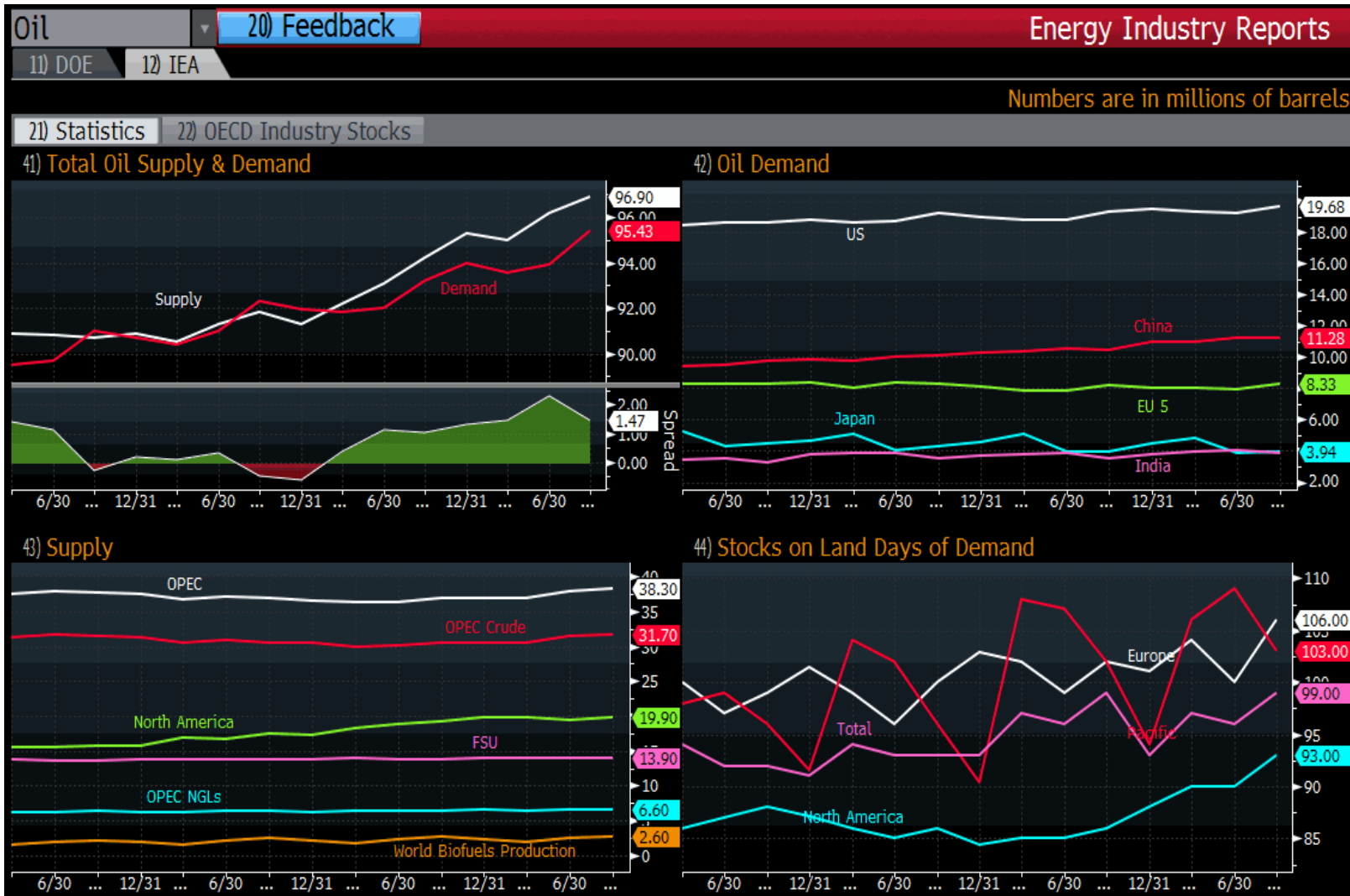
Million Barrels per Day

INDEPENDENT RESEARCH

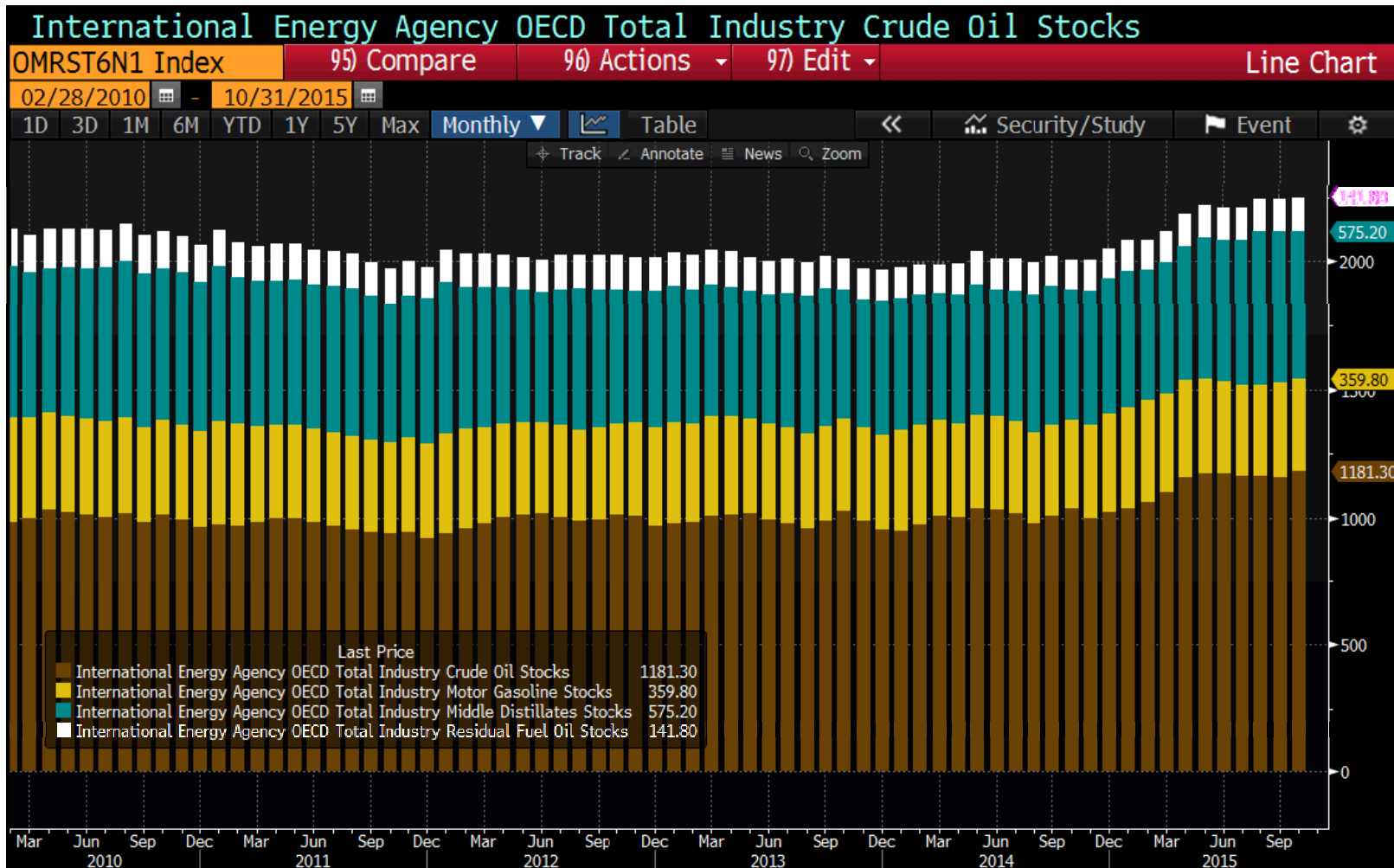


JODI partner data is crucial for our analysts market coverage
 BI provides analysis on industries, companies, and expert topics, delivering key data and interactive charting from BI analysts with an average of seventeen years of experience in their given industry.

IEA DATA DASHBOARD



INSTANT ACCESS TO DEEPER JODI PARTNER ANALYTICS



DATA DEEP DIVE



TACKLING USER CHALLENGES

- VAST DATASETS COVERING 650,000 TIME SERIES IN COMMODITIES – 130,000 IN OIL AND GAS.
- DELIVERING FLEXIBILITY AND ANALYTICS FOR JODI AND PARTNER DATASETS
 - Integration into existing models
 - Immediately available analytics suite and modelling upon data release
- CAPTURING THE FULL SPECTRUM OF USERS ASSESSING THE IMPACT OF ENERGY SUPPLY AND DEMAND DRIVERS
 - Majors and trading houses
 - Investment community – PE, Asset Managers
 - Investment research and consulting
 - Government

JODI DATA: SCOPE AND COVERAGE

- JODI OFFERS UNPARALLELED COVERAGE
 - Significant gains made in recent years to improve consistency of data with small drop off coming Jan-Jun 2015 (JODI participation assessment)
 - Stock levels continue to be an area of focus – IEA meets some of this requirement as do other partners but still more granularity would be welcome
- CHALLENGES REMAIN
 - Drop off in coverage for some participants – most recently Argentina and Indonesia + C. America
 - Partner data -> Consistency in reporting. Timing
- CONCLUSION
 - JODI still stands out as the backbone of global oil data provision