



October 2019

Saudi Chartbook

Summary

Real Economy: The month of August witnessed a number of positive developments. POS transactions rose by 18 percent year-on-year. Non-oil PMI index edged up, and cement sales and production rose by 12 percent and 16 percent respectively in August, year-on-year.

Government Finance: The net monthly change to government accounts with SAMA rose by SR24 billion month-on-month in August.

SAMA foreign Reserve Assets: SAMA FX reserves increased by \$4.5 billion month-on-month to stand at around \$508 billion in August.

Money Supply: The broad measure of money supply (M3) rose by almost 5 percent in August, year-on-year, mainly supported by the continuous rise in private demand deposits.

Bank Deposits: Bank deposits rose by 5 percent year-on-year in August, supported by a significant rise in private demand deposits by 8 percent year-on-year, the highest rise in 4 years.

Bank Credit: Total bank claims rose by 6.3 percent in August year-on-year. Credit to the private sector rose by 2.8 percent, year-on-year.

Inflation: Prices continued to decline in August, by 1.1 percent year-on-year.

Q2 2019 GDP: Data on Q2 2019 real GDP showed that the economy expanded by 0.5 percent, year-on-year. The oil sector declined by 3 percent, whilst non-oil private sector GDP was up 3.4 percent.

Manufacturing Sector Expat Levies: We estimate total expat levies in the manufacturing sector waived by the government to be the equivalent of around SR39 billion for the period between 2019-2023.

Labor Market: The Saudi unemployment rate declined in Q2 2019 to 12.3 percent, driven by a drop in youth (20-24 years old) unemployment.

Balance of Payments: A surplus was maintained in the current account in Q2 2019 but a mild deficit was seen in the non-reserve financial account.

Tourism: Last week witnessed the launch of the Saudi tourist visa, which came with various agreements with both local and global investors within the tourism sector, worth SR100 billion in total.

Oil-Global: Brent oil prices were up by 8 percent (and WTI prices 4 percent) month-on-month in September, as an attack on world's largest oil processing facility at Abqaiq, temporarily took out 5.7 mbpd of Saudi Arabia's oil capacity.

Oil-Regional: Saudi crude oil production averaged 9.8 mbpd in August. Despite the attack on Abqaiq's oil processing facility and Khurais oil field, output is expected to average around 9.89 mbpd in September and October.

Exchange Rates: The US dollar saw mixed performance during September despite the US Federal Reserve (Fed) cutting interest rates 25 basis points (bps) during the month.

Stock Market: TASI posted gains month-on-month in September.

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Released: September-30-2019, 18:00 UTC+3

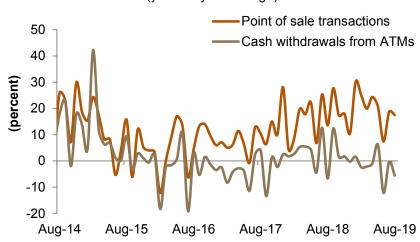


Real Economy

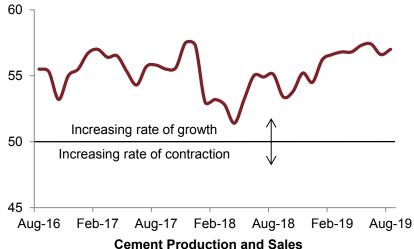
The month of August witnessed a number of positive developments. POS transactions increased by 18 percent year-on-year, despite a decline in cash withdrawals by 5.6 percent. Non-oil PMI index edged up in August. Moreover, cement sales rose significantly by 12 percent year-on-year, rising for the third consecutive month. Cement production was also up by 16 percent year-on-year in August.

Indicators of Consumer Spending

(year-on-year change)

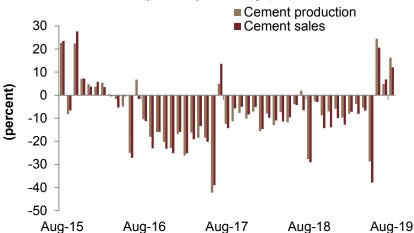


Non-oil Purchasing Managers' Index



Cement Production and Sales

(year-on-year change)



POS transactions increased by 18 percent year-on-year in August, despite a decline in cash withdrawals by 5.6 percent.

Non-oil PMI index rose in August.

Cement sales rose significantly by 12 percent year-on-year, rising for the third consecutive month. Cement production was also up by 16 percent yearon-year in August.



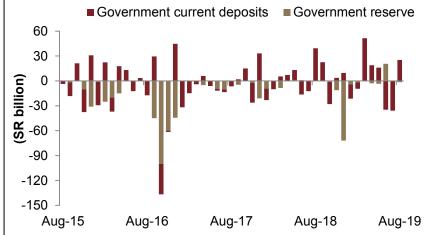
Government Finance

The net monthly change to government accounts with SAMA rose by SR24 billion month-on-month in August, after declining during the previous two months. The rise was affected by an equivalent rise in government deposits, whilst government reserves declined by SR1.6 billion month-on-month. At the same time, domestic banks net holdings of government debt rose by SR6.8 billion in August.

Net Change to Government Accounts with SAMA (month-on-month change)

60 30 0 -30 -90 -120 -150 Aug-15 Aug-16 Aug-17 Aug-18 Aug-19

Breakdown of Government Accounts with SAMA (month-on-month change)



Domestic Banks Net Holdings of Government Bonds (month-on-month change)

24 22 20 18 16 billion) 14 12 10 (SRI 8 6 4 2 0 -2 Aug-15 Aug-16 Aug-17 Aug-18 Aug-19

The net monthly change to government accounts with SAMA rose by SR24 billion month-on-month in August, after declining for the past two months.

The rise was affected by an equivalent rise in government deposits, whilst government reserves declined by SR1.6 billion month-on-month.

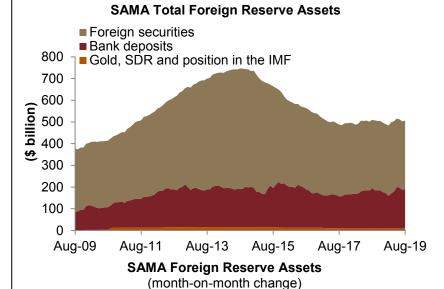
Domestic banks net holdings of government debt rose by SR6.8 billion in August, as the Ministry of Finance announced that it closed a local Sukuk issuance of SR2.3 billion during the month.



SAMA Foreign Reserve Assets

SAMA FX reserves increased by \$4.5 billion month-on-month to stand at around \$508 billion in August, following a decline in the previous two months by \$14 billion. A breakdown of FX reserves shows a monthly rise in both SAMA's bank deposits and foreign securities by \$2.6 billion and \$2 billion respectively during the month.

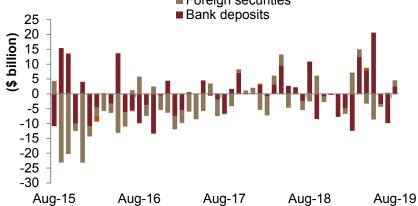
SAMA FX reserves increased by \$4.5 billion month-on-month to stand at around \$508 billion in August...



Monthly change Monthly change smoothed (three-month moving average) 15 10 billion) 5 0 \$ -5 -10 -15 -20 Feb-15 Aug-13 Aug-16 Feb-18 Aug-19

Breakdown of SAMA Foreign Reserve Assets (month-on-month change)

> ■ Gold, SDR, and position in the IMF ■ Foreign securities



...following a decline in the previous two months by \$14 billion.

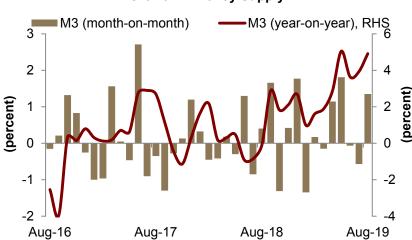
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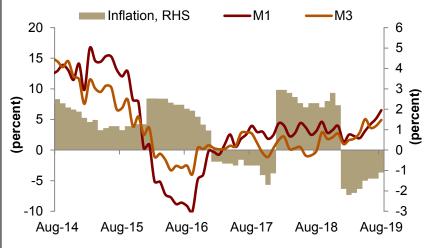
Money Supply

The broad measure of money supply (M3) rose by almost 5 percent in August, year-on-year, and by 1.3 percent month-on-month. The rise in M3 was mainly supported by the continuous rise in private demand deposits, which increased by 8 percent year-on-year during the month.

Growth in Money Supply



Money Supply Aggregates and Inflation Rate (year-on-year change)



Growth in Money Supply (week-on-week change)

M3 (year-on-year), RHS M3, week-on-week change 35 6 5 25 SR Billion) (percent) 15 3 5 2 -5 1 -15 0 -25 -1 Jul-19 Aug-19 Sep-19

M3 rose by almost 5 percent in August, year-onyear, and by 1.3 percent month-on-month...

...mainly supported by the continuous rise in private demand deposits, which increased by 8 percent year -on-year during the month and supported growth in M1.

Latest weekly M3 data shows a higher growth rate in M3 in September.

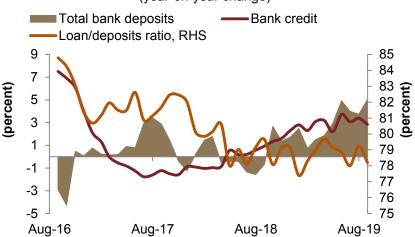


Bank Deposits

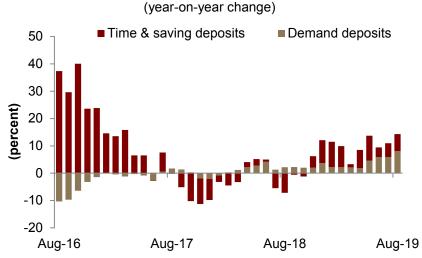
Bank deposits rose by 5 percent year-on-year in August, supported by a significant rise in private demand deposits by 8 percent year-on -year, the highest rise in 4 years. Meanwhile, total time and saving deposits was almost flat during the month, despite a rise in private time and saving deposits by 6 percent year-on-year in August.

Growth in Total Bank Deposits

(year-on-year change)

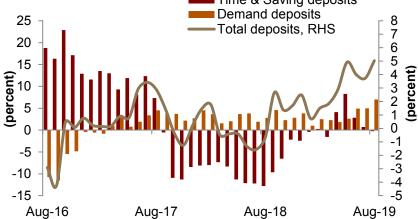


Breakdown of Private Sector Deposits



Growth in Bank Deposits (year-on-year change)

Time & Saving deposits Demand deposits



Bank deposits rose by 5 percent year-on-year in August...

... supported by a significant rise in private demand deposits by 8 percent yearon -year, the highest rise in 4 years.

Meanwhile, total time and saving deposits was almost flat during the month.

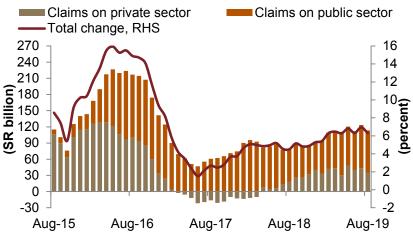


Bank Credit

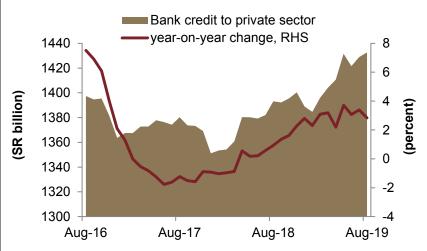
Total bank claims rose by 6.3 percent in August year-on-year. Claims on the public sector were up by 23 percent, meanwhile, credit to the private sector rose by 2.8 percent, year-on-year. Looking at bank credit by maturity, short term credit rose by 1.6 percent, whilst longer term credit rose by 4.3 percent in August, year-on-year.

Breakdown of Bank Claims

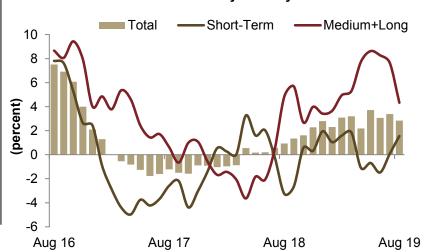
(year-on-year change)



Bank Credit to the Private Sector



Bank Credit by Maturity



Total bank claims rose by 6.3 percent in August year-on-year. Claims on the public sector were up by 23 percent...

...meanwhile, credit to the private sector rose by 2.8 percent, year-on-year.

Looking at bank credit by maturity, short term credit rose by 1.6 percent, whilst longer term credit rose by 4.3 percent in August, yearon-year.



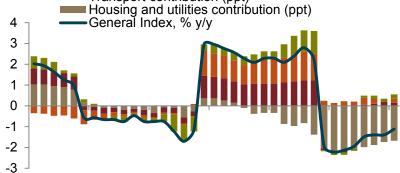
Inflation

Prices continued to decline in August, by 1.1 percent year-on-year, but inched up month-on-month by 0.1 percent. The decline in "housing and utilities" continued during August, by 6.5 percent yearon-year, affected by the declining "rentals for housing" by 7.4 percent. Meanwhile, "food and beverages" prices rose by 1 percent year-on-year, likely affected by higher demand during Hajj and Eid Al -Adha, which took place during August.

> Inflation (year-on-year change)

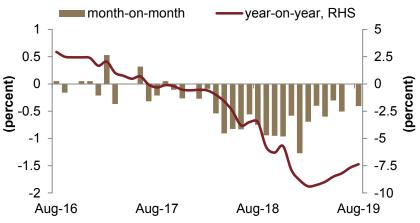


Transport contribution (ppt) ■ Housing and utilities contribution (ppt)



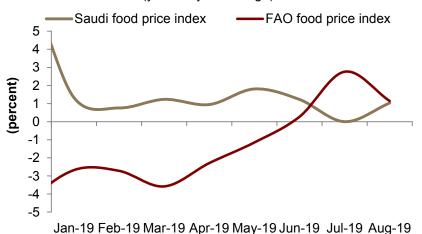
Feb-18 Aug-18 Aug-16 Feb-17 Aug-17 Feb-19 Aug-19

'Rentals for Housing'



Food Prices

(year-on-year change)



*FAO: Food and Agriculture Organization of the United Nations

Prices continued to decline in August, by 1.1 percent year-on-year, but inched up month-on-month by 0.1 percent.

"Rentals for housing" were down by 7.4 percent yearon-year, and by 0.4 percent month-on-month.

"Food & beverages" prices rose by 1 percent year-onyear, and by 0.8 percent month-on-month. Looking ahead, we expect food prices to cool down, in-line with the recent international trend.

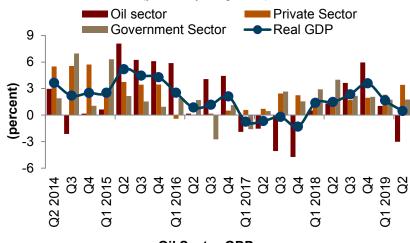


Q2 2019 GDP

Data on Q2 2019 real GDP showed that the economy expanded by 0.5 percent, year-on-year. The oil sector declined by 3 percent (42 percent share of GDP), whilst non-oil GDP rose by 2.9 percent. Within the non-oil sector, non-oil private sector GDP was up 3.4 percent (40 percent share of GDP) and the government sector's GDP rose by 1.8 percent (18 percent share of GDP).

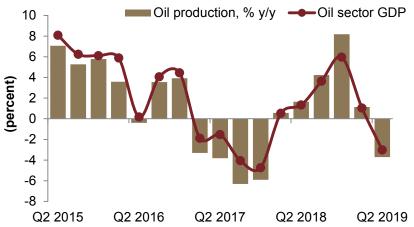
GDP by Economic Sector

(year-on-year growth)



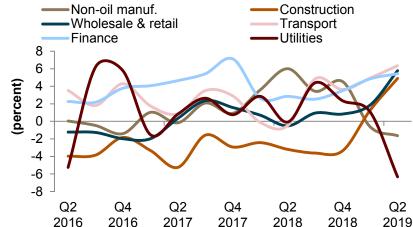
Oil Sector GDP

(year-on-year growth)



Non-Oil Private Sector GDP

(year-on-year growth)



Data on Q2 2019 real GDP showed that the economy expanded by 0.5 percent, year-on-year...

...with oil sector declining by 3 percent, in-line with marginally lower crude oil production compared to a year ago.

On the non-oil private sector, "utilities" was the poorest performing sector. Meanwhile, significant growth came from 3 sectors: "transport", "wholesale & retail" and "construction", growing by 6.4 percent, 5.8 percent and 4.9 percent respectively.

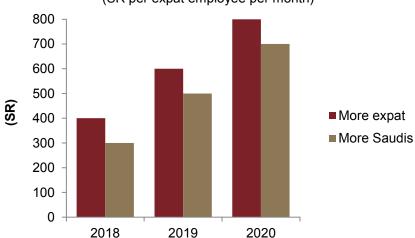


Manufacturing Sector Expat Levies

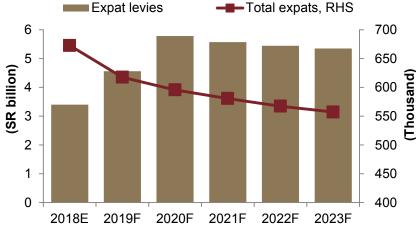
The Cabinet of Ministers recently approved to waive expat levies for companies in the industrial sector for the next five years. The sector employs 645 thousand expats, representing 9.7 percent of total expats in the labor market. We estimate total expat levies in the manufacturing sector waived by the government to be the equivalent of around SR39 billion for the period between 2019-2023.

Expat levies

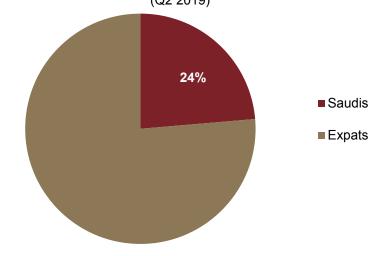
(SR per expat employee per month)



Expat Levies and the Number of Expat Workers in the Manufacturing Sector (Jadwa Estimates)



Saudization in the Manufacturing Sector (Q2 2019)



Expat levies were implemented in January 2018, with a planned gradual increase through to 2020. The fees are higher in companies hiring more expats than Saudis.

We estimate total expat levies in the manufacturing sector waived by the government to total SR39 billion for the period between 2019-2023.

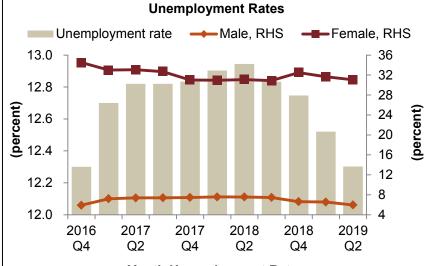
Saudis represent a small share of labor in the manufacturing sector, around 24 percent in Q2 2019, despite the decline in the number of expats during the past two years in the labor market as a whole.



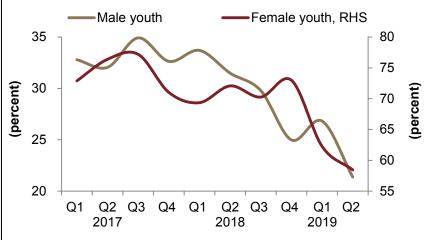
Labor Market

The Saudi unemployment rate declined in Q2 2019, to 12.3 percent, down from 12.5 percent in Q1 2019. Both male and female unemployment declined, mainly driven by a decline in youth (20-24 years old) unemployment. During Q2 2019, a total of 132 thousand expat workers left the labor market, pushing total expat departures to 1.9 million since the start of 2017.

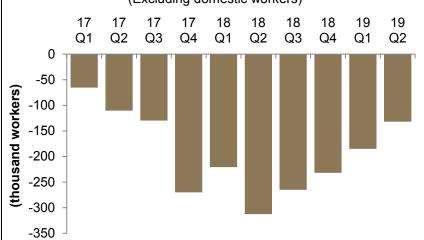
The Saudi unemployment rate declined in Q2 2019, to 12.3 percent, down from 12.5 percent in Q1 2019.



Youth Unemployment Rates (20-24 years old)



Expat Workers Leaving the Labor Market (Excluding domestic workers)



Youth unemployment rates were down, for both male and female citizens.

The number of expat departures on a quarterly basis has slowed to its lowest level since Q3 2017, with the number of departures having seemingly peaked in Q2 2018.



Balance of Payments

A surplus was maintained in the current account in Q2 2019 but a mild deficit was seen in the non-reserve financial account. A larger rise in exports (by 6 percent year-on-year) than imports (by 3 percent year-on-year) helped maintain a current account surplus of \$12.4 billion during the quarter. Additionally, worker remittances declined for the sixth consecutive quarter to equal \$7.4 billion in Q2.

A surplus was maintained in the current account in Q2 2019 but a mild deficit was seen in the non-reserve financial account.

Balance of Payments (\$ billion) Errors and omissions, net 60 Non-reserve financial account Current account balance 40 FX reserve/withdrawals (polling of ₩ -20 -40 Q2 Q2 Q2 Q2 Q2 Q2 Q2 Q2 2015 2016 2017 2012 2013 2014 2018 2019

(\$ billion) 105 85 65 45 **(uo) 15** 5 5 -15 25 **€**-35 -55 -75 Q2 Q2 Q2 Q₂ Q2 Q2 Q2 Q2 2012 2013 2014 2015 2016 2017 2018 2019 Other Remittances Income ■ Imports Exports —CA balance

Current Account

A larger rise in exports (by 6 percent year-on-year) than imports (by 3 percent year-on-year) helped maintain a current account surplus of \$12.4 billion during the quarter.

Additionally, worker remittances declined for the sixth consecutive quarter to equal \$7.4 billion, the lowest quarterly remittances since Q4 2012.

4 3

Q2

2011

Q2

Q2

2012 2013

Q2

2014

Q2

2015

Q2

2016

Q2

2017

Q2

2018

Q2

2019

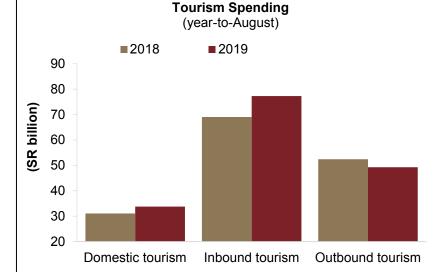
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Tourism

On Friday, September 27 2019, the Saudi Commission for Tourism and Heritage (SCTH) made available tourist visas for citizens of 49 countries. The launch of tourist visas saw a number of agreements signed by both SCTH and SAGIA with both domestic and international investors within the tourism sector, worth SR100 billion in total. Moreover, recent SCTH data showed improvements in tourism figures in the year-to-August.

According to the SCTH, domestic tourism spending was up in the year-to-August by 8.7 percent, compared to the same period last year.

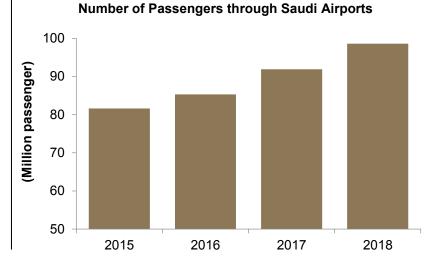


(year-to-August) 30 25 20 15 Domestic tourism Inbound tourism Outbound tourism

Number of Tourism Trips

Also, domestic tourism trips were up by 3.4 percent, in the year-to-August.

Latest data show a rising number of passengers through airports in Saudi Arabia, reaching 99.8 million passenger in 2018.

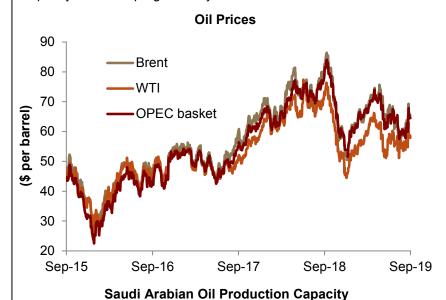




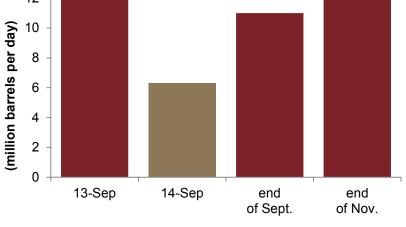
Oil - Global

Brent oil prices were up by 8 percent (and WTI prices 4 percent) month on month in September, as an attack on the world's largest oil processing facility at Abgaig, temporarily took out 5.7 mbpd of Saudi Arabia's oil capacity. Whilst Brent oil prices shot up initially after the attacks in mid-September, prices have retreated as Saudi oil capacity has been progressively restored.

Brent oil prices were up by 8 percent and WTI prices were up by 4 percent, month on month...



12 (million barrels per day) 10 8 6 4 2 0 13-Sep 14-Sep end end



US Commercial Oil Stocks (million barrels) 490 480 470 (million parrels) 460 450 430 420 410 400 390 Dec-18 Sep-18 Mar-19 Jun-19 Sep-19

...as an attack on the world's largest oil processing acility at Abqaiq and Khurais oil field, temporarily took out 5.7 mbpd of Saudi Arabia's oil capacity.

Whilst Brent oil prices shot up initially after the attacks in mid-September, prices have retreated as Saudi oil capacity has been progressively restored and commercial oil stocks have began rising again.

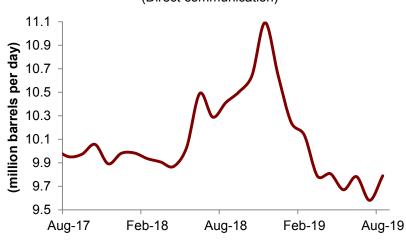


Oil - Regional

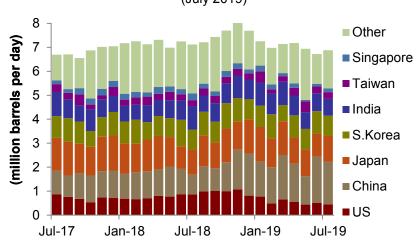
Saudi crude oil production averaged 9.8 mbpd in August, and despite the attack on Abqaiq's oil processing facility and Khurais oil field, output is expected to average around 9.89 mbpd in September and October. Equally, no disruptions in oil exports are expected in September and October due to the existence of almost 180 million barrels of oil stock, as per latest JODIs figures for July.

Saudi Crude Oil Production

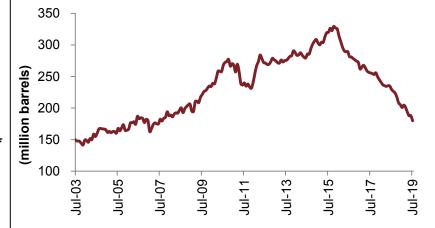
(Direct communication)



Saudi Crude Oil Exports (July 2019)



Saudi Crude Oil Stocks (July 2019)



Saudi crude oil production averaged 9.8 mbpd in August and, despite the attack on Abqaiq's oil processing facility and Khurais oil field, output is expected to average around 9.89 mbpd in September and October.

Latest available official data showed that Saudi crude oil exports averaged 6.9 mbpd...

...with no disruptions in oil exports expected in September and October due to the existence of almost 180 million barrels of oil stocks, as per latest JODI figures for July.



Exchange Rates

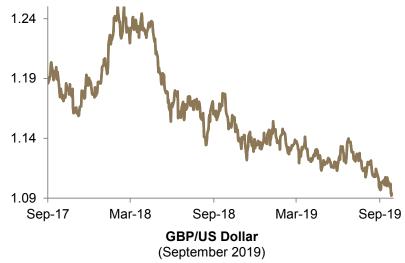
The US dollar saw mixed performance during September despite the US Federal Reserve (Fed) cutting interest rates 25 basis points (bps) during the month. Whilst many emerging markets gained against the dollar, other developed countries/regions, such as Europe and Japan, where interest rates are expected to remain below US rates, saw losses.

The US dollar saw mixed performance during September despite the US Fed cutting interest rates 25

bps during the month.



Euro/US Dollar (September 2019)



1.4 - 1.3 - 1.2 Sep-17 Mar-18 Sep-18 Mar-19 Sep-19

Whilst many emerging markets gained against the dollar, other developed countries/regions, such as Europe and Japan, where interest rates are expected to remain below US rates, saw losses.

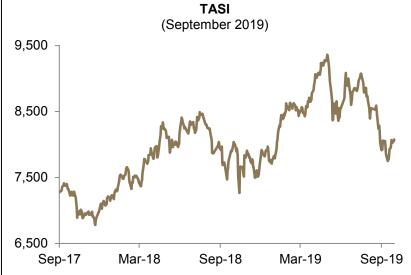
Meanwhile, the British pound saw mild gains against the US dollar as the UK Parliament resumed after an earlier prorogation (suspension) was ruled unlawful.



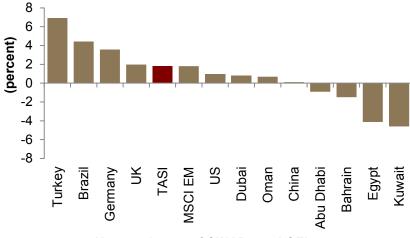
Stock Market

Despite the attacks on Abqaiq, TASI recovered to post a gain monthon-month in September. Besides investor sentiment being lifted by a quick resumption in supply of oil and petrochemical feedstock, TASI was also lifted by the fourth tranche of FTSE Russell's passive inflows. Accordingly, net purchases of SWAPs and QFIs saw a rise to \$22 billion (SR82.4 billion), year-to-date.

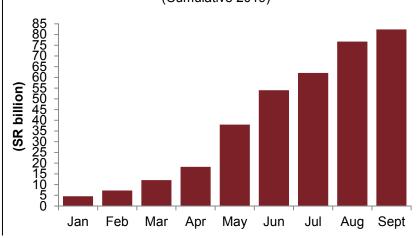
Despite the attacks on Abqaiq, TASI recovered to post a gain month-onmonth in September.



Comparative Stock Market Performance (September 2019)



Net purchases of SWAPs and QFIs (Cumulative 2019)



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Accordingly, net purchases of SWAPs and QFIs saw a rise to \$22 billion (SR82.4 billion), year-to-date.



Key Data

	2012	2013	2014	2015	2016	2017	2018	2019F	2020F
Nominal GDP	2012	2010	2017	2010	2010	LUII	2010	20101	20201
(SR billion)	2,760	2,800	2,836	2,454	2,419	2,582	2,934	3,065	3,262
(\$ billion)	736	747	756	654	645	689	782	817	870
(% change)	9.6	1.5	1.3	-13.5	-1.4	6.8	13.6	4.4	6.4
(75 Gildings)	0.0					0.0			• • •
Real GDP (% change)									
Oil	5.1	-1.6	2.1	5.3	3.6	-3.1	2.8	0.3	2.7
Non-oil private sector	5.6	7.0	5.4	3.4	0.1	1.5	1.7	2.4	2.7
Non-oil government	5.3	5.1	3.7	2.7	0.6	0.7	2.8	3.0	2.3
Total	5.4	2.7	3.7	4.1	1.7	-0.7	2.4	1.6	2.6
Oil indicators (average)									
Brent (\$/b)	112	110	99	52	43	54	71	66	68
Saudi (\$/b)	106	104	96	49	41	51	69	65	67
Production (million b/d)	9.8	9.6	9.7	10.2	10.4	10.0	10.3	10.1	10.3
,									
Budgetary indicators (SR billion)									
Government revenue	1,247	1,156	1,044	616	519	692	906	910	1,005
Government expenditure	916	994	1,140	1,001	936	930	1,079	1,106	1,143
Budget balance	331	162	-96	-385	-417	-238	-174	-196	-138
(% GDP)	12.0	5.8	-3.4	-15.7	-17.2	-9.2	-5.9	-6.4	-4.2
Gross public debt	99	60	44	142	317	443	560	678	754
(% GDP)	3.6	2.1	1.6	5.8	13.1	17.1	19.1	22.1	23.1
Monetary indicators (average)									
Inflation (% change)	2.9	3.5	2.2	1.2	2.1	-0.8	2.5	-1.7	1.1
SAMA base lending rate (%, end	2.0	2.0	2.0	2.0	2.0	2.0	3.0	2.5	2.25
year)	2.0		2.0	2.0	2.0	2.0	0.0	2.0	2.20
External trade indicators (\$ billion)		222	205	150	107	171	222	240	222
Oil export revenues	337	322	285	153	137	171	232	219	233
Total export revenues	388	376	342	204	184	222	295	282	299
Imports	142 247	153	158	159 44	128 56	123	124	128	133 166
Trade balance		223	184		56	98	171	154	
Current account balance	165	135	74	-57 0.7	-24	10	72	68	81
(% GDP)	22.4	18.1	9.8	-8.7	-3.7	1.5	9.2	8.3	9.3
Official reserve assets	657	726	732	616	536	496	497	524	528
Social and demographic									
indicators									
Population (million)	28.9	29.6	30.3	31.0	31.7	32.7	32.5	32.6	33.0
Saudi Unemployment (15+, %)	12.1	11.7	11.7	11.5	12.5	12.8	12.7	12.4	12.1
GDP per capita (\$)	25,471	25,223	24,962	21,095	20,318	21,048	24,065	25,063	26,327

Sources: Jadwa Investment forecasts for 2019 and 2020. General Authority for Statistics for GDP and demographic indicators, Saudi Arabian Monetary Agency for monetary and external trade indicators, Ministry of Finance for budgetary indicators.



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