

Oil Supply & Demand Dashboard

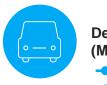
October 2021

Market overview

Impact on oil prices	Short-term signposts	Changes in October against the prior month (unless otherwise stated)
	Oil prices	Crude oil prices hit a seven-year high in early October, boosted by energy supply concerns and continued oil stock draws. Brent crude oil prices rose by USD9.0/bbl on average in October to USD83.5/bbl and WTI by USD3.8/bbl to USD71.6/bbl
	Global oil demand	Global liquids demand decreased by 0.3 MMb/d in October to 98.8 MMb/d. Decline in global demand was mainly driven by China, where demand decreased by 0.7 MMb/d m-o-m. Overall, liquids demand is up by 4.5 MMb/d y-o-y as most countries continue to ease restrictions
	Commercial inventories	Commercial inventories increased slightly m-o-m by 8 million barrels. Overall, global inventories are back at 5-year average levels at 4.4 billion barrels globally, as market balancing continues
	OPEC 10 production (excl. Iran, Venezuela, Libya)	OPEC 10 production increased by 0.2 MMb/d m-o-m as the bloc continued to increase output in light of rising demand. The production increase was mainly driven by Saudi Arabia, where output rose by 0.1 MMb/d m-o-m to 9.8 MMb/d. OPEC 10 output is up by 0.3 MMb/d y-o-y, however still 2.3 MMb/d down compared to pre-COVID levels in October 19
	Non-OPEC production (excl. US shale)	Non-OPEC production stood at 57.8 MMb/d in October, up by 1.4 MMb/d m-o-m. Canadian production saw the largest m-o-m increase of 0.2 MMb/d, followed by Russia at 0.1 MMb/d m-o-m
	US shale oil production	US shale production increased by 0.1 MMb/d m-o-m to 8.1 MMbl/d in October, up by 0.3 MMb/d y-o-y. Although production is still below pre-pandemic levels of >9 MMb/d, US onshore rig count has more than doubled y-o-y and was up by 3.7% m-o-m, indicating rising activity
	Iran, Venezuela, Libya production	Production in Iran, Venezuela, and Libya decreased by ~ 0.1 MMb/d in October to 4.2 MMb/d. This decrease was driven by a slight fall in Libyan output, while production in Iran and Venezuela remained almost steady m-o-m
	Market sentiment	At the start of November, Brent crude futures rose by more than USD10/bbl in October to surpass USD83/bbl, while WTI traded above USD80/bbl at the time of writing.
		The surge in prices has swept through the entire global energy chain, fueled by robust economic growth as the world emerges from the pandemic. Record coal and gas prices, as well as rolling black-outs, are prompting the power sector and energy-intensive industries to turn to oil to keep the lights on and operations running.

Oil market fundamentals





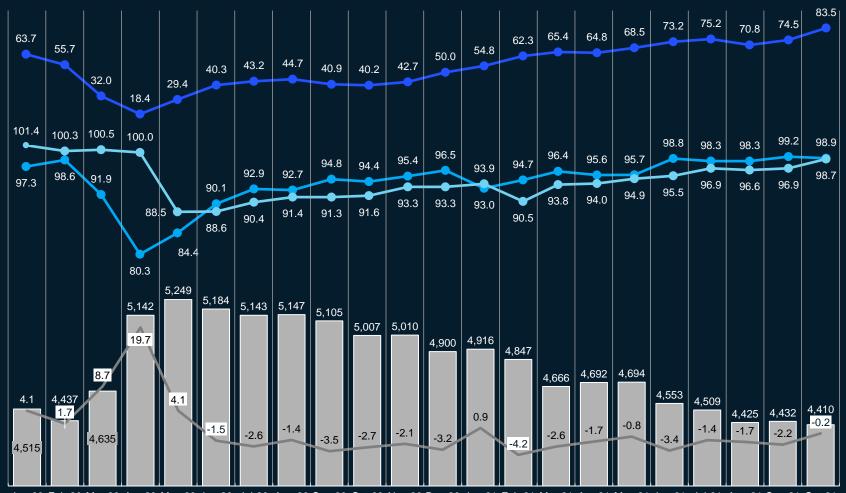
Demand & supply (MMb/d)

- Global liquids demand
- Global liquids supply



Inventories (Mb) & stock change (MMb/d)

- Global commercial inventories
- Implied stock change



Jan-20 Feb-20 Mar-20 Apr-20 May-20 Jun-20 Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21 May-21 Jun-21 Jul-21 Aug-21 Sep-21 Oct-21

Demand



Selected major OECD countries road transport mobility trend

(Indexed from May 2020)











Global aviation traffic (RPK¹) change (%) vs same month in 2019

Global aviation traffic (RPK) change

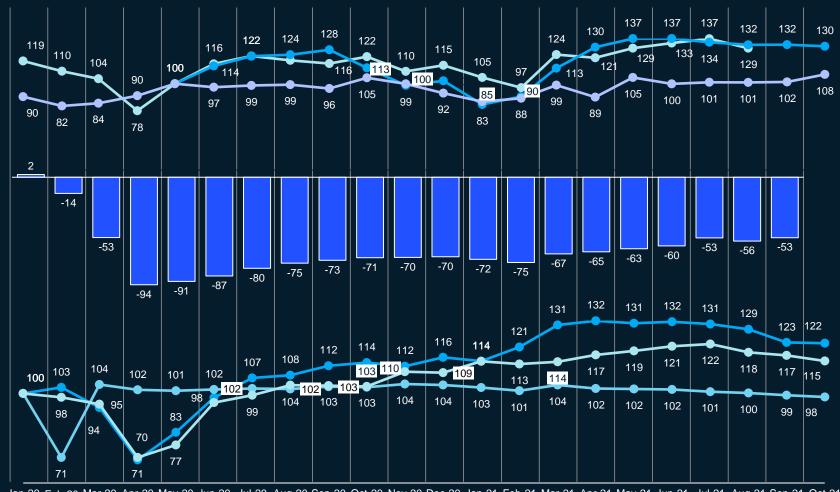


Purchasing Managers Index (PMI)

(Jan 2020 indexed)

- Eurozone Manufacturing PMI
- China Manufacturing PMI
- US Manufacturing PMI

1. Revenue Passenger Kilometers



Jan-20 Feb-20 Mar-20 Apr-20 May-20 Jun-20 Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21 May-21 Jun-21 Jul-21 Aug-21 Sep-21 Oct-21

Supply (MMb/d)



Non-OPEC excl. US shale (liquids)



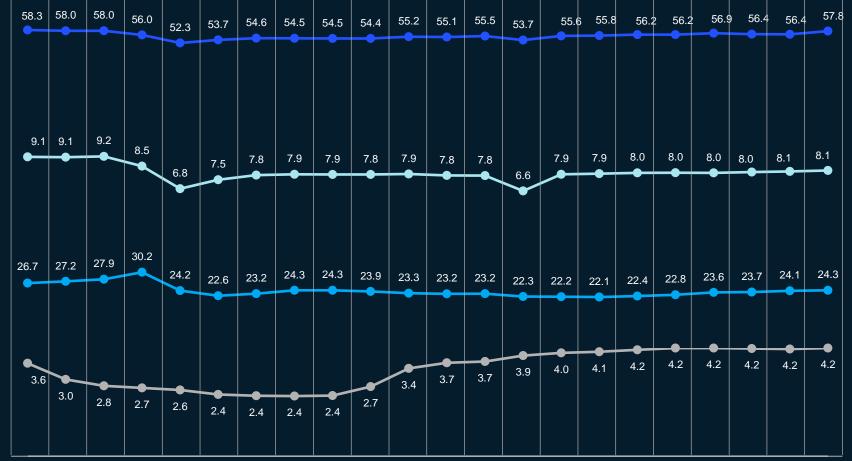
US shale oil (crude)



OPEC 10 excl. Iran, Venezuela, Libya (liquids)



Iran, Venezuela, Libya (crude)



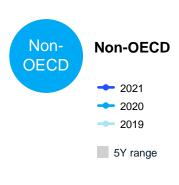
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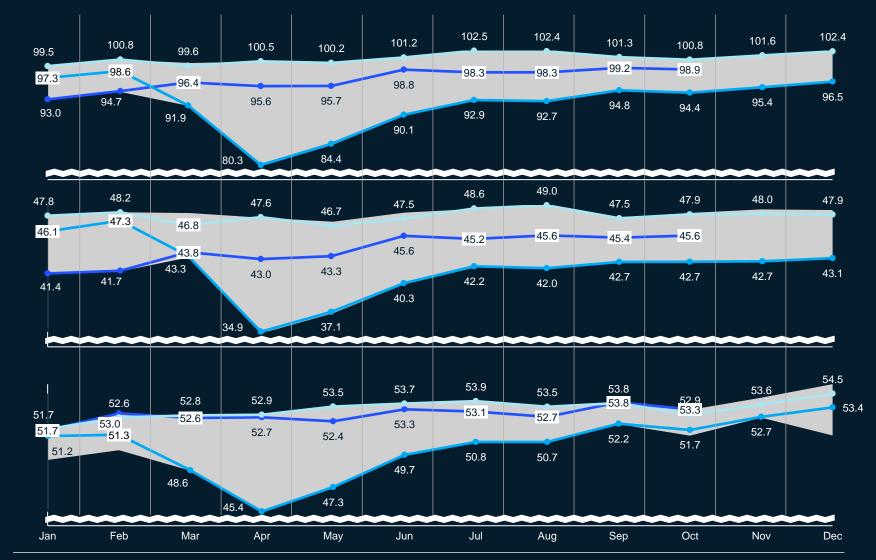
Appendix

Demand (MMb/d)



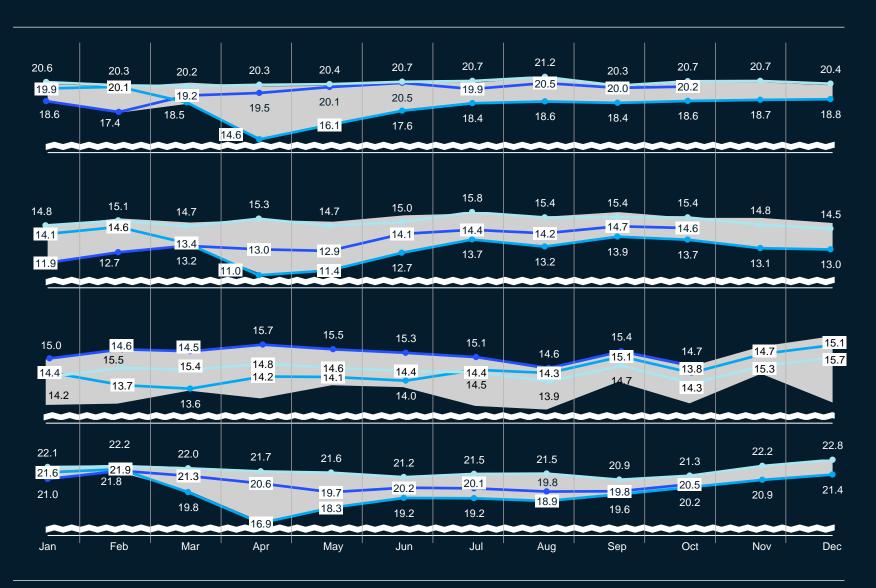






Demand (MMb/d)





Supply (MMb/d)



Global Supply

~ 2021

2020

2019

5Y range



OPEC 10

-- 2021

2021

2019

5Y range



Non-OPEC (excl. US shale)

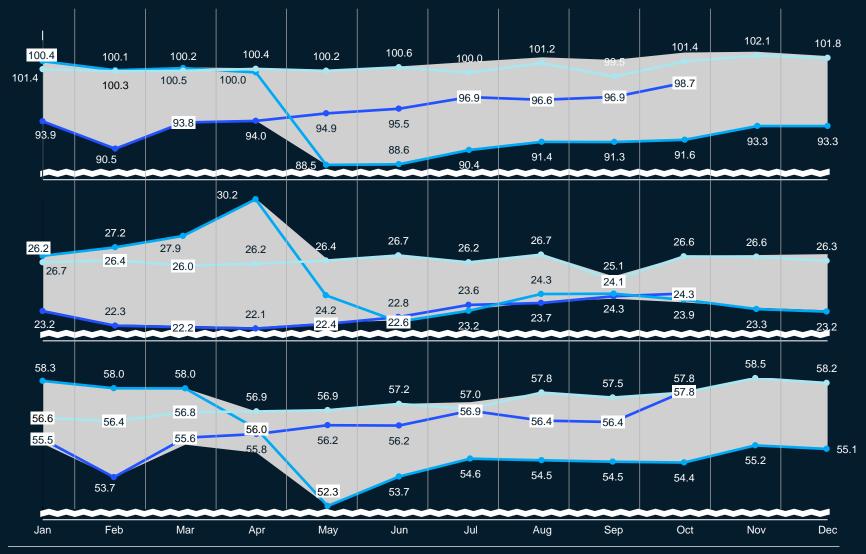
-- 2021

- 0000

2020

2019

5Y range



Supply (MMb/d)



