

### Monthly Oil & Gas Data Review

Summary findings from the latest JODI oil & gas databases update

February 2024

#### JODI Oil update by the numbers: Month-on-Month

50 countries updated the database with the most recent December 2023 data

**Oil Demand** 

+541kb/d

vs. November 2023

**Refinery Intake** 

+2.7mb/d

vs. November 2023

**Crude Production** 

-22kb/d

vs. November 2023

**Crude Inventories** 

-8.0mb

vs. November 2023

**NGL Production** 

+81kb/d

vs. November 2023

**Product Inventories** 

+53mb

vs. November 2023



#### JODI oil update by the numbers: Year-on-Year

50 countries updated the database with the most recent December 2023 data

**Oil Demand** 

+498kb/d

vs. December 2022

**Refinery Intake** 

+1.1mb/d

vs. December 2022

**Crude Production** 

-272kb/d

vs. December 2022

**Crude Inventories** 

-275mb

vs. 5-year average

**NGL Production** 

+1.3mb/d

vs. December 2022

**Product Inventories** 

+32mb

vs. 5-year average



#### Oil Overview: Update with Data Through Dec 2023

- Oil demand in JODI-reporting countries rose by ~0.5 mb/d in December and was at a seasonal high. Demand was above the 5-year seasonal high for 8 months in 2023.
  - The month-on-month demand increase was driven by China (+1.2 mb/d m/m), Japan (+343 kb/d), and India (+181 kb/d). These gains more than offset declines seen in the US (-627 kb/d), Italy (-370 kb/d), and Germany (-208 kb/d).
  - •LPG demand rose to an all-time high in December while gasoline and diesel demand fell towards the 5-year average.
- Crude oil production rose slightly in December but it was down 0.3 mb/d y/y and still marginally below the 5-year average. Steep y/y declines in Saudi Arabia (-1.5 mb/d) and Iraq (-345 kb/d) were partially offset by gains in the US (+1.1 mb/d), Canada (+312 kb/d) and China (+184 kb/d).
  - Saudi Arabia's crude production rose by 126 kb/d in December to 8.94 mb/d while its crude exports fell by 28 kb/d to 6.31 mb/d.
  - UK's crude production fell by 103 kb/d in December to a 9-year low and the 2<sup>nd</sup> lowest figure reported to JODI since at least 2002.
- Crude inventories fell by 8 mb in December and were 275 mb below the 5-year average.



#### JODI Gas update by the numbers

57 countries updated the database with the most recent December 2023 data

**Gas Demand** 

-18bcm

vs. December 2022

**Gas Demand** 

+14.8bcm

vs. November 2023

**Gas Production** 

+1.1bcm

vs. December 2022

**Gas Production** 

+0.7bcm

vs. November 2023

**Gas Inventories** 

+34bcm

vs. 5-year average

**Gas Inventories** 

**-17**bcm

vs. November 2023



#### Gas Overview: Update with Data Through Dec 2023

- Natural gas production was at a seasonal high for a third consecutive month in December.
- Natural gas demand rose seasonally in December but was still at a 5-year seasonal low due to weak demand in North America and Europe.
  - EU+UK natural gas demand rose seasonally but was below the 5-year seasonal range.
- Total gas inventories fell seasonally by 17 bcm month-on-month but they were still at a seasonal high.
  - EU+UK inventories fell by 10 bcm in December and stood nearly 87% full at the end of the month.



### **Oil Highlights**

\*Aggregated figures use the total for countries that have reported data every month since January 2018

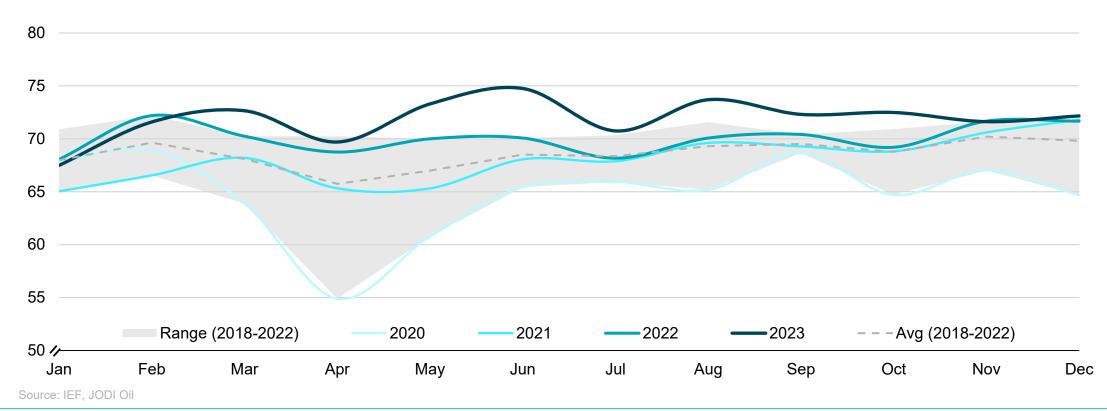


# Oil demand rose by ~0.5 mb/d in December led by increases in China, Japan, and India

Demand was above the 5-year range for 8 months in 2023, including in December

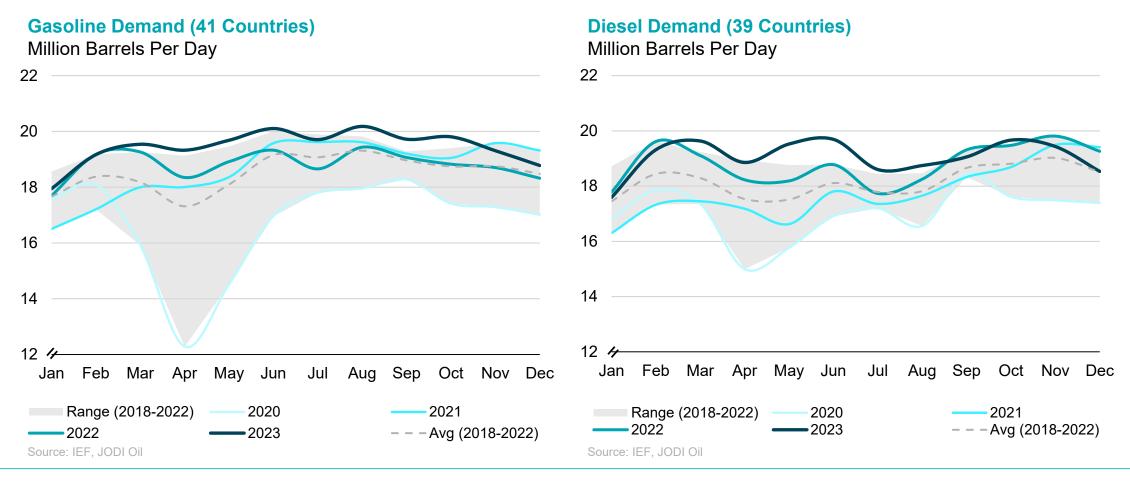
#### **Oil Product Demand (42 Countries)**

Million Barrels Per Day



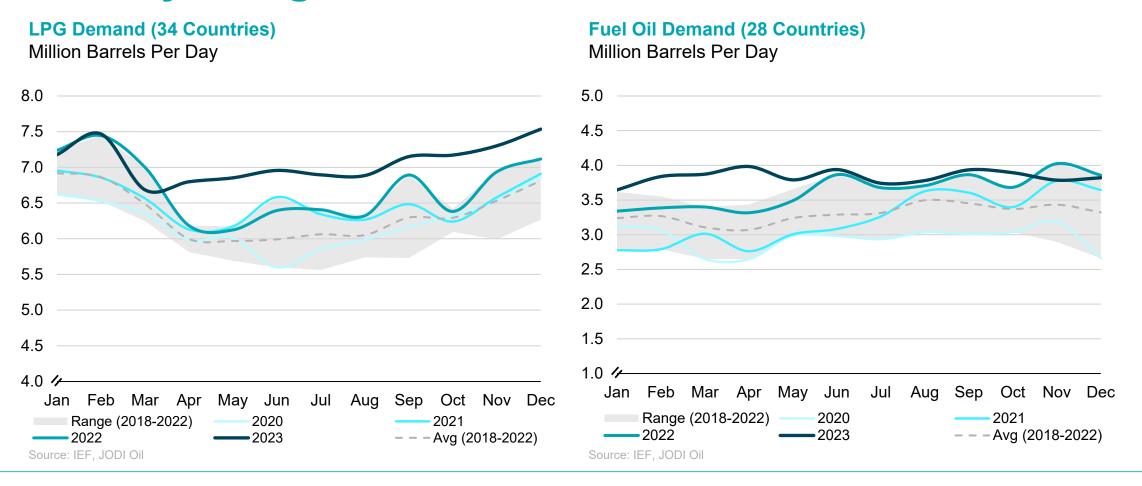


# Gasoline and diesel demand fell below 2021 levels in December and towards the 5-year average





# LPG demand was at an all-time high in December and while fuel oil demand also rose, it remained slightly below year-ago levels

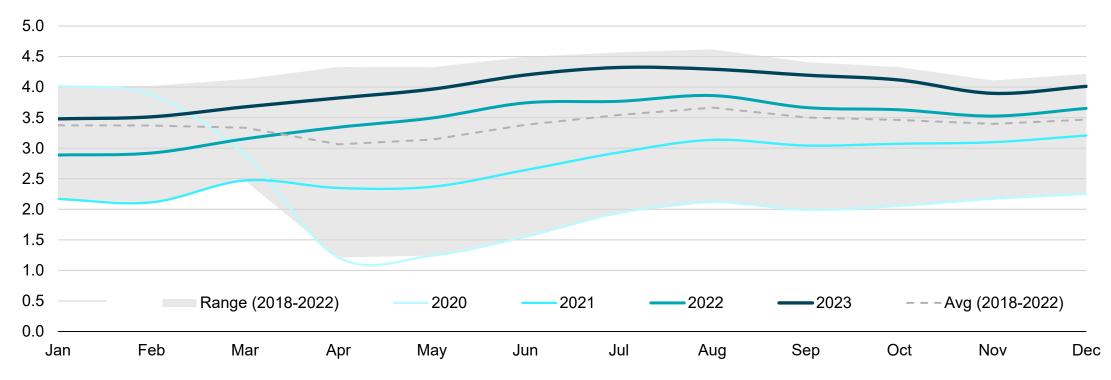




# Jet fuel demand rose marginally in December and was up 360 kb/d from year-ago levels

#### **Jet Fuel Demand (30 Countries)**

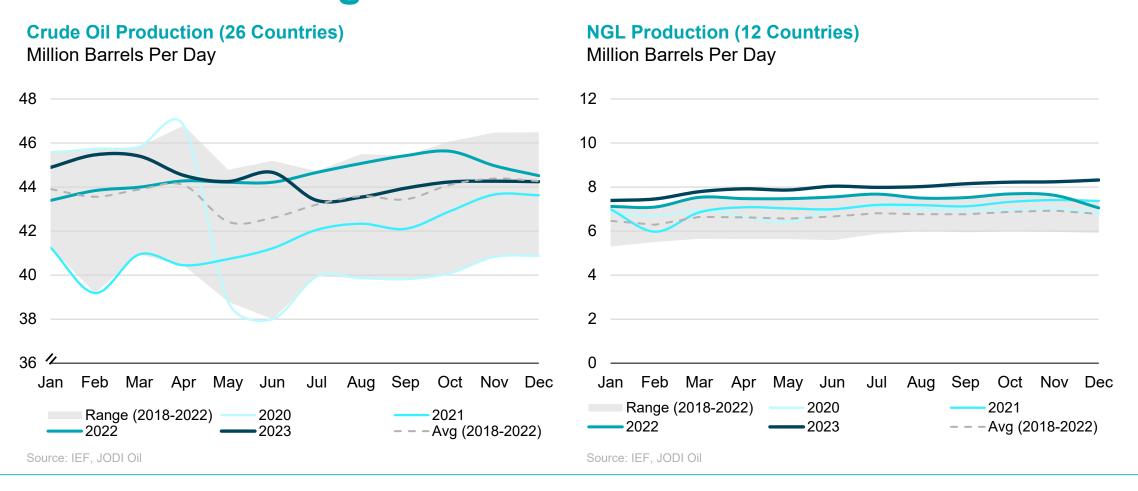
Million Barrels Per Day





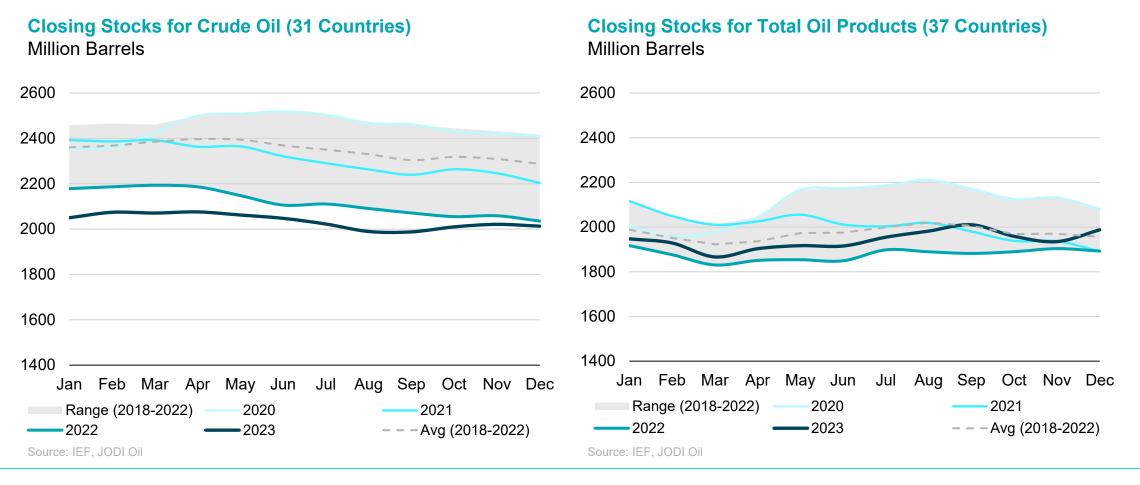


# Crude production was marginally below the 5-year average level in December while NGL production was at an all-time high



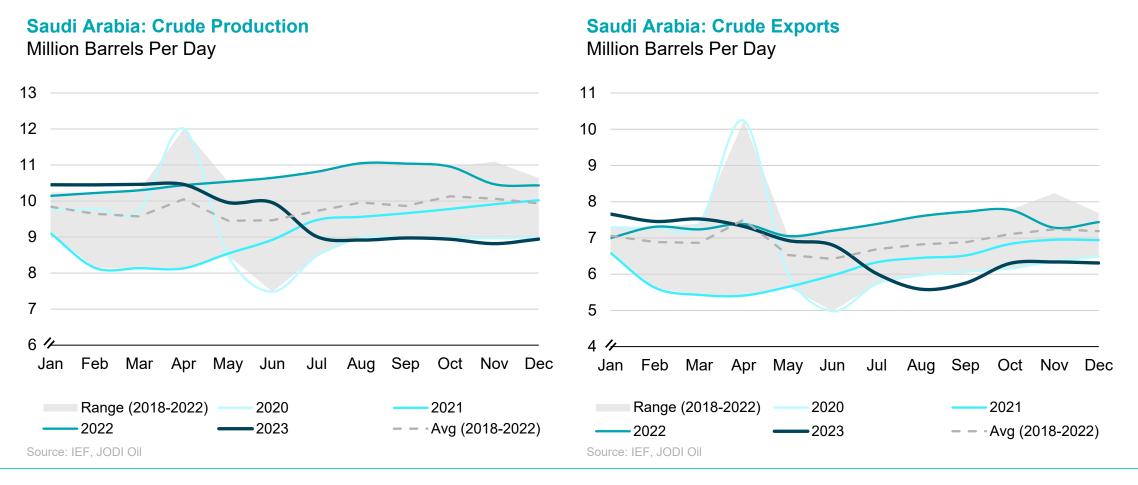


# Crude inventories fell by 8.0 mb in December while product inventories rose by 52.7 mb



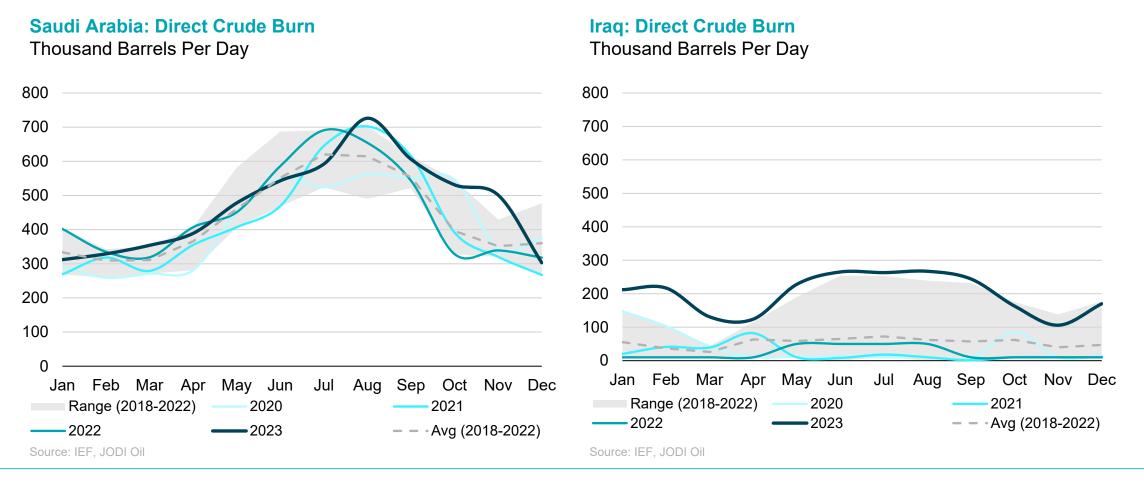


## Saudi Arabia's crude production rose by 126 kb/d in December while exports fell by 28 kb/d



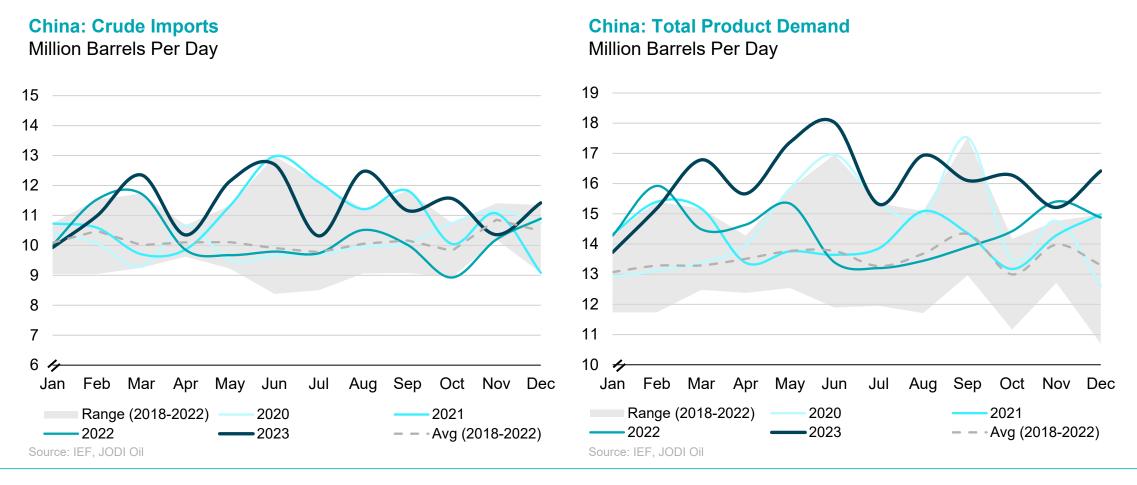


# Saudi Arabia's direct burn fell by 198 kb/d in December to below the 5-year average while Iraq's crude burn rose 64 kb/d to near the seasonal high



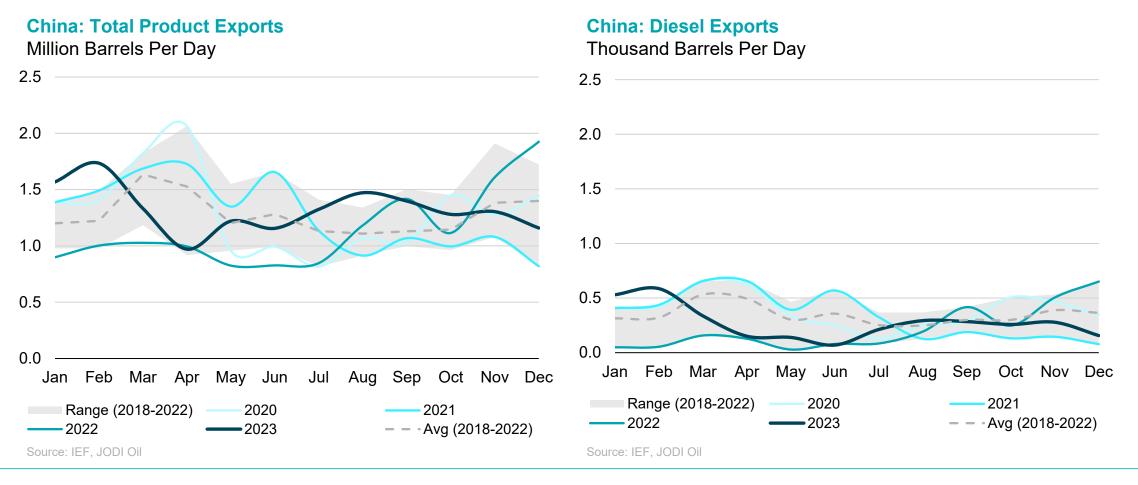


# China's crude imports increased by 1.1 mb/d in December and demand rose by 1.2 mb/d



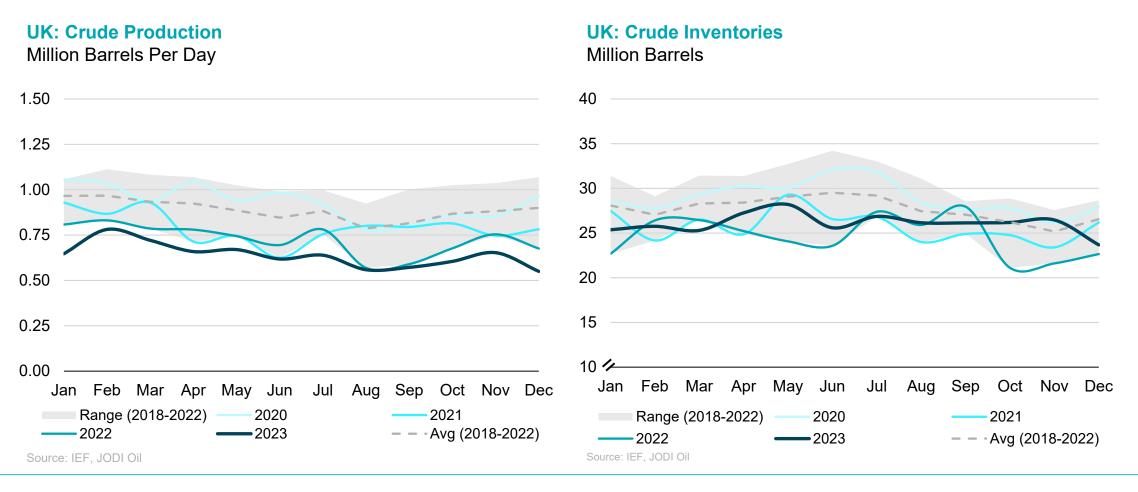


## China's product exports fell by 145 kb/d in December led by a 122 kb/d drop in diesel exports





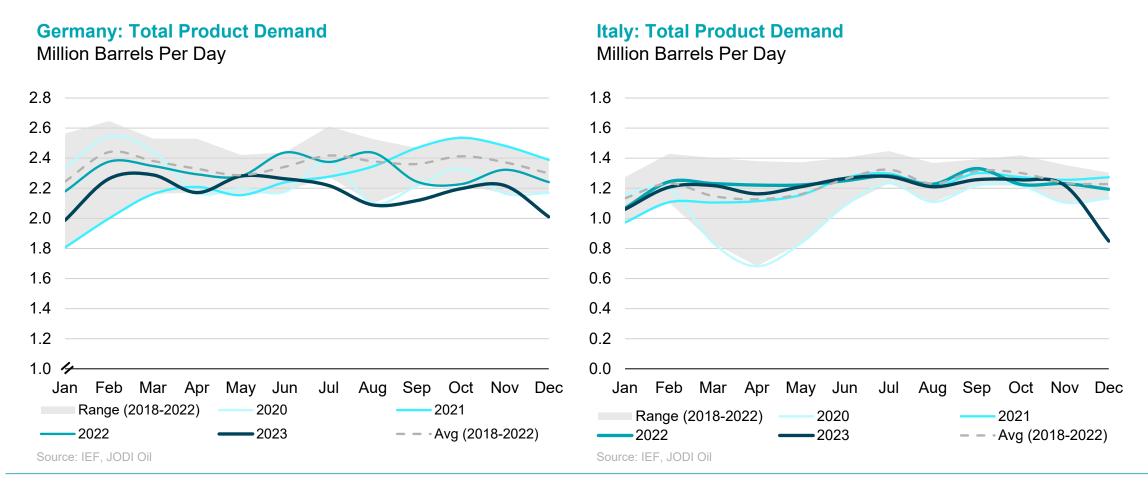
### UK crude production fell to a 9-year low in December and crude inventories fell to a 12-month low





# Germany's oil product demand fell to an 11-month low in December and Italy's fell to a 3.5-year low

Weak diesel demand drove the declines in both countries





#### **Gas Highlights**

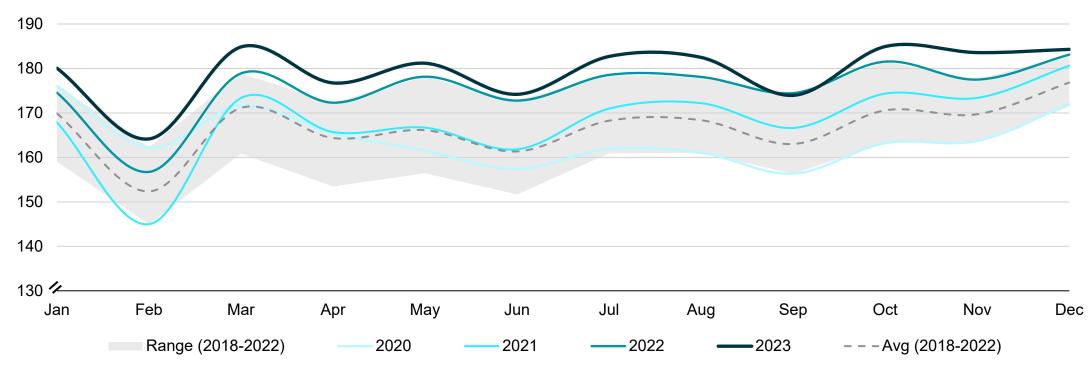
\*Aggregated figures use the total for countries that have reported data every month since January 2018



### Gas production was at a seasonal high for a third consecutive month in December

#### **Natural Gas Production (33 Countries)**

**Billion Cubic Metres** 

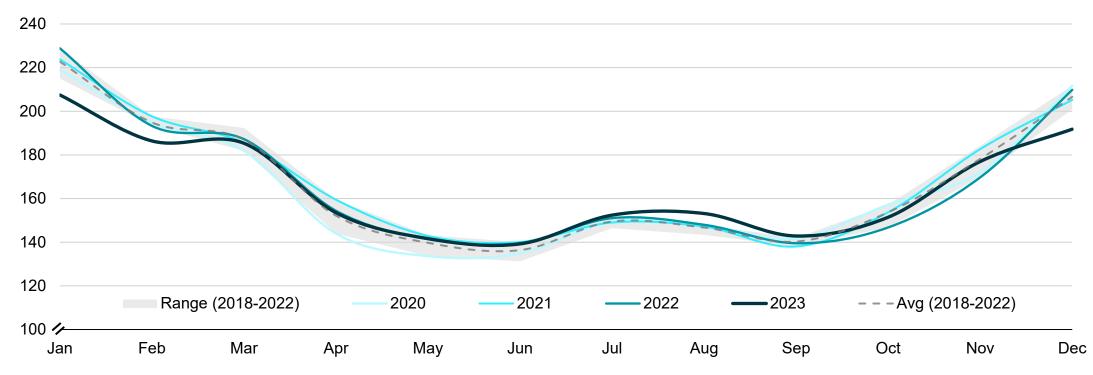




# Natural gas demand was a 5-year seasonal low in December due to weak demand in North America and Europe

**Natural Gas Gross Inland Deliveries (46 Countries)** 

**Billion Cubic Metres** 

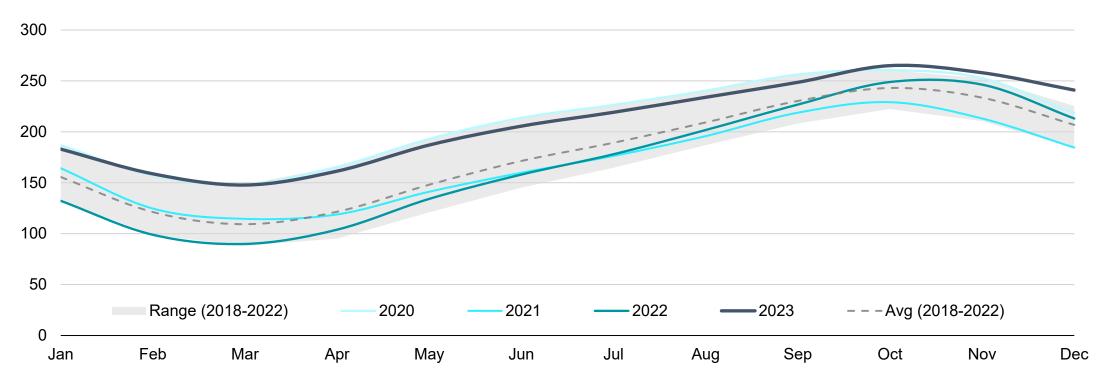




# Natural gas inventories fell seasonally by 17 bcm in December but remained above the 5-year range

#### **Natural Gas Closing Stocks (28 Countries)**

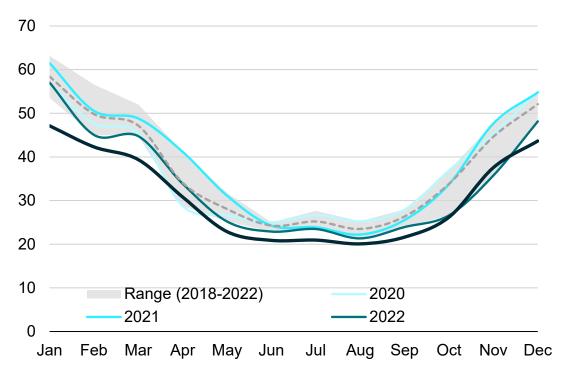
**Billion Cubic Metres** 



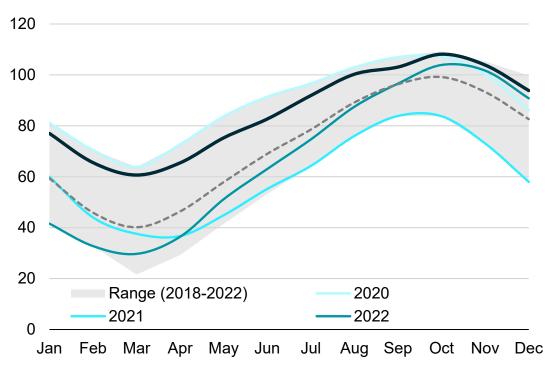


# EU+UK gas demand was below the 5-year seasonal levels in December, helping inventories end the month at around 87% full

#### **EU+UK: Natural Gas Gross Inland Deliveries**Billion Cubic Metres



**EU+UK: Natural Gas Closing Stocks**Billion Cubic Metres



Source: IEF, JODI Gas





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