







BOC Aviation Investor Presentation

NOVEMBER 2022



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3Q 2022 and Recent Developments



- 612 aircraft owned, managed and on order¹
- 4.3 years² average fleet age; 8.2 years² average remaining lease term
- 96% aircraft utilization rate



- US\$6 billion of available liquidity³
- More than covers 2H 2022 target capex and maturing liabilities
- Well positioned to support future investment
- · Limited refinancing required



- 12 aircraft deliveries, including six used aircraft transitions
- · 21 lease commitments signed
- Committed to acquire nine new aircraft, including six Airbus A320NEO aircraft placed with JetSMART



STRONG CREDIT RATINGS

- A- by S&P Global Ratings
- A- by Fitch Ratings



FUTURE GROWTH

- Delivered seven new Boeing 787 aircraft from our orderbook to American Airlines since delivery of the 787 aircraft resumed in August 2022
- Expecting another 11 to be delivered to American Airlines through to end-2023



EXPERIENCED
MANAGEMENT AND
OWNERSHIP

- Experienced management team successfully managed through multiple cycles
- Bank of China provides ongoing support

Long-term sustainable growth



How We Invest



Investing in aircraft through multiple cycles



Popular and Fuel-Efficient Fleet

Our aircraft portfolio

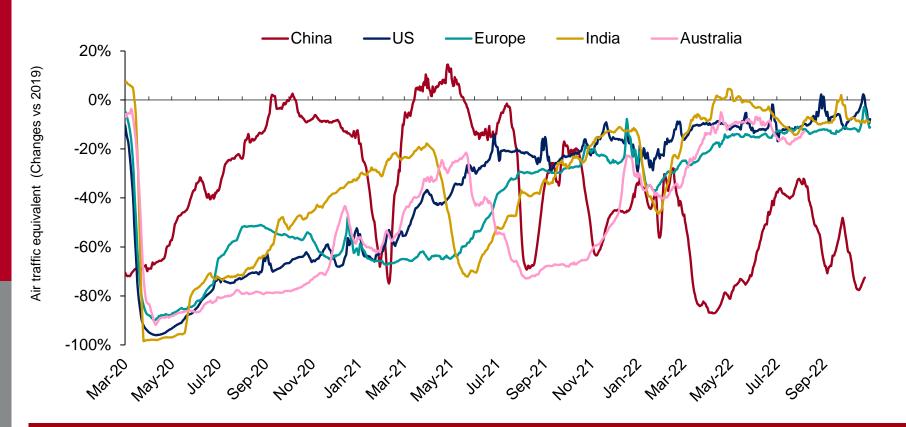
Aircraft type	Owned aircraft	Managed aircraft	Aircraft on order ¹	Total
Airbus A320CEO family	100	15	0	115
Airbus A320NEO family	93	0	117	210
Airbus A330CEO family	8	1	0	9
Airbus A330NEO family	6	0	0	6
Airbus A350 family	9	0	0	9
Boeing 737NG family	72	14	0	86
Boeing 737 MAX family	52	0	50	102
Boeing 777-300ER	27	4	0	31
Boeing 787 family	23	1	14	38
Freighters	5	1	0	6
Total	395	36	181	612

100% of orderbook comprises latest technology aircraft



Major Passenger Markets See Strong Rebound in Travel

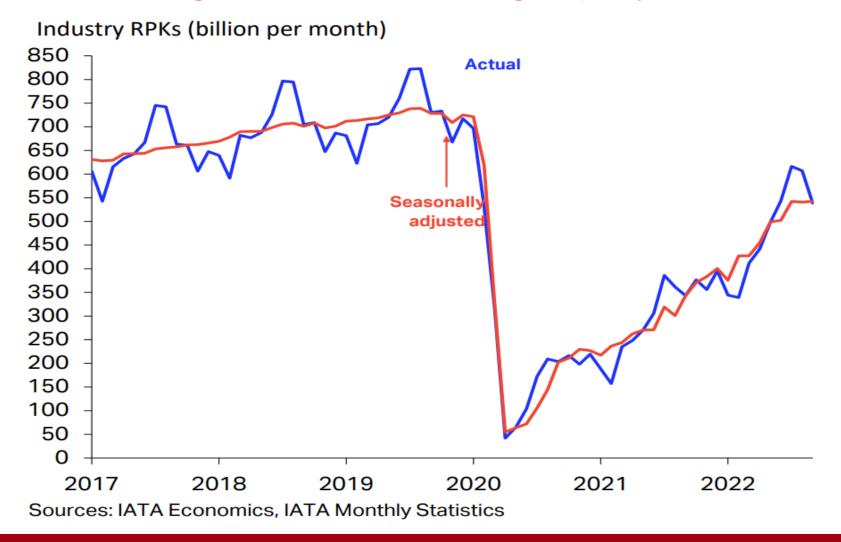
Market continues to recover



Recovery in large domestic markets following a resurgent cargo market



Global Passenger Traffic Recovering Rapidly



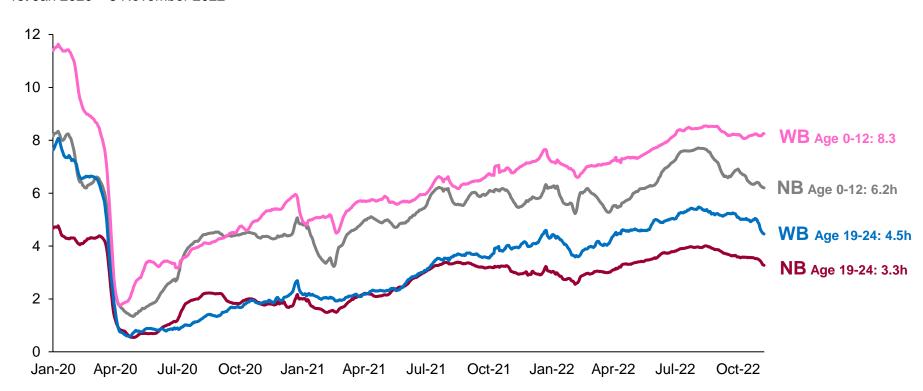
Passenger traffic now within 20% of pre-pandemic levels



Rising Aircraft Utilisation

Rising utilisation hours

1st Jan 2020 - 8 November 2022



Shorthaul recovery drives demand for narrowbody aircraft; international demand picking up



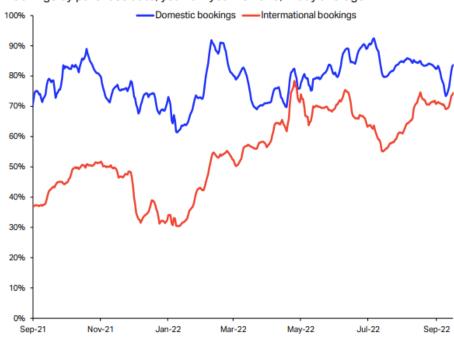
Improving Forward Bookings Drive Traffic Recovery

International RPKs by cabin class

International RPKs, January 2020 = 100 Share of int'l RPKs by class (identical in 2019 and 2021) Economy: 92% Premium: 8% Premium: 8% Premium Premium

n class Passenger ticket sales





Source: IATA Economics, DDS

Source: IATA Monthly Statistics

Air traffic is expected to remain resilient as forward bookings move up



Jet Fuel Prices

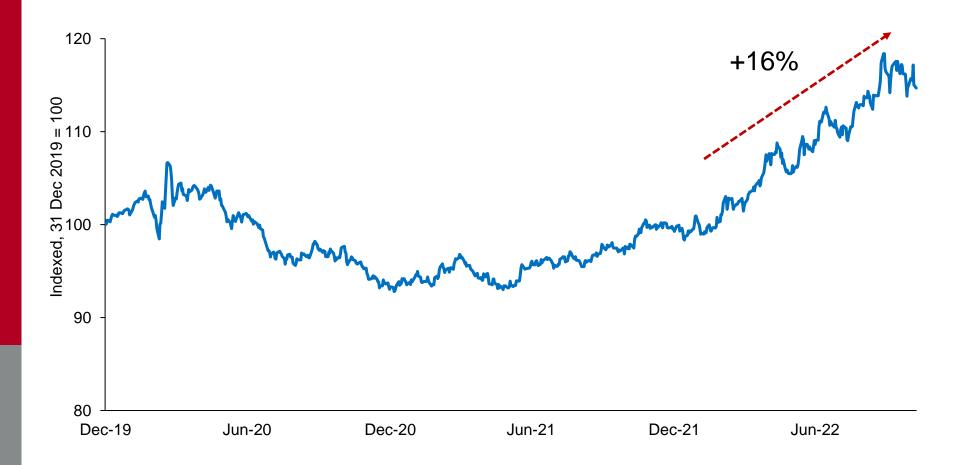
Jet fuel price, US\$



Fuel prices remain high and volatile



Strengthening USD

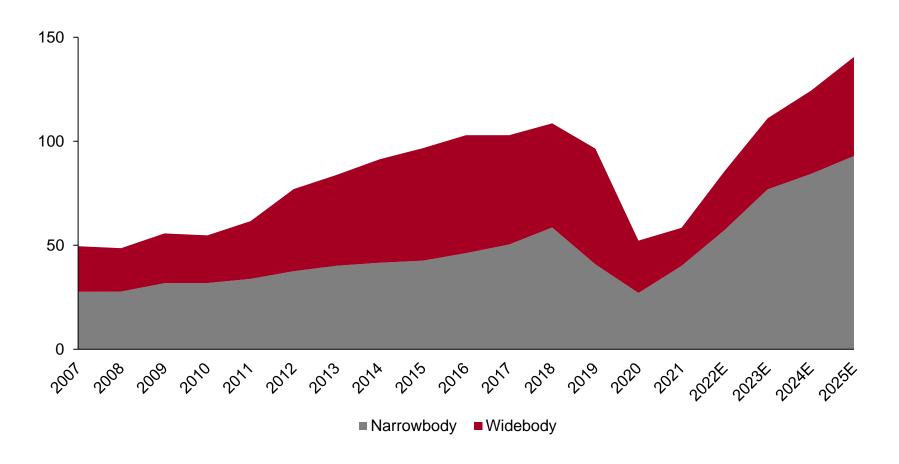


Sharp appreciation of USD since 2021



Value of Deliveries to Exceed US\$120 Billion in 2025

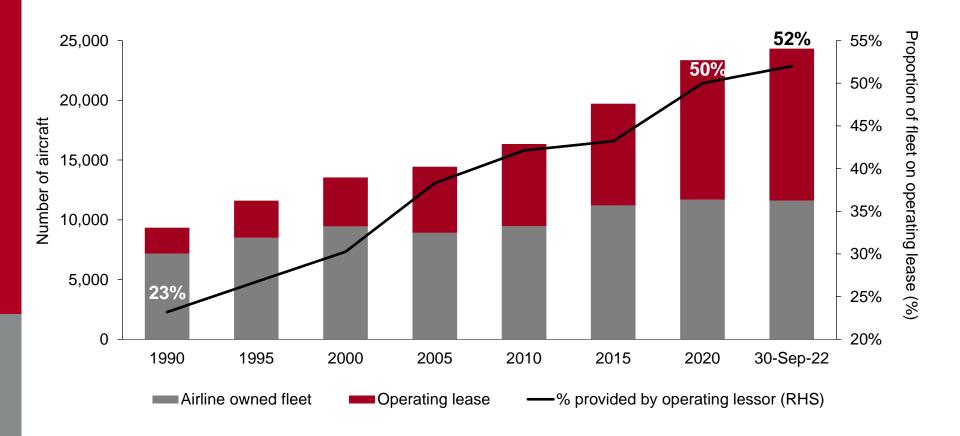
Annual capex - US\$ billion





Lessors Own 52% of the Aircraft Market Today

Proportion of fleet on operating lease



Lessors own 52% of the aircraft market today; this proportion has potential to increase



Looking Ahead

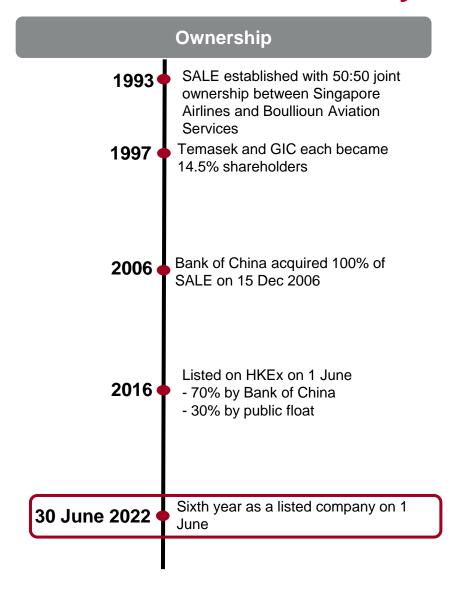
- Improving airline traffic visible globally
 - Long-haul markets recovering
 - Asia is poised to follow suit as more markets are opening up
 - China re-opening will drive upside for Southeast Asia
 - Russian airspace closure having limited effect on overall travel demand
- Higher interest rates, fuel prices and USD provide financing opportunities for well-capitalised operating lessors
 - Airline capex showing signs of distinct recovery
- A global aircraft operating lessor committed for the long-term
 - Resilient 1H 2022 performance achieved amidst a challenging backdrop
 - Orderbook and available liquidity of US\$6 billion position us well to capture airline demand upturn
 - Committed lease revenues of US\$17 billion
 - Three female Directors out of Board of 11

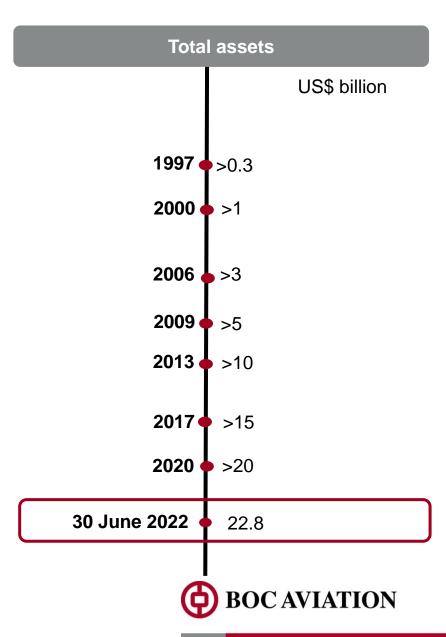


APPENDICES



The BOC Aviation Journey





All data as at the end of the relevant period

BOC Aviation – Who Are We?

Top 5

Global aircraft operating lessor¹

Listed on HKEX

HKEX code: 2588

>US\$5.0 billion

Cumulative profits since inception²

US\$6.0 billion

Available liquidity

181

Aircraft on order³

Bank of China

70% owned by BOC

Investment grade credit ratings from S&P and Fitch

US\$22.8 billion

Total assets²

612

Aircraft in fleet4

4.3 years; **8.2 years**

Average fleet age & lease term remaining⁵

Industry leader focused on long-term sustainable earnings



Globally Diverse Management Team













Robert Martin

Managing Director &

Chief Executive

Officer

Zhang Xiaolu Vice-Chairman & Deputy Managing Director

Steven Townend

Deputy Managing

Director & Chief

Financial Officer

David Walton

Deputy Managing

Director & Chief

Operating Officer

Deng Lei
Chief Commercial
Officer (Asia Pacific
& the Middle East)

Paul Kent Chief Commercial Officer (Europe, Americas, Africa)

- 35 years of banking and leasing experience
- Managing Director and Board Director since July 1998
- 32 years of banking experience In charge of Risk Management, Market Research, Board Secretariat and Corporate Affairs departments
- 31 years of banking and leasing experience In charge of Finance
- In charge of Finance, Treasury, Tax, Investor Relations and Settlement
- aviation finance and leasing experience
- In charge of Procurement, all operations and related departments
- 24 years of banking experience
- In charge of revenue activities
 for Asia Pacific and Middle East
- 26 years of aircraft finance and leasing experience In charge of revenue activities for Europe, Americas and Africa

Nationality













Highly experienced senior management team

BOC AVIATION

Core Competencies - BOC Aviation Track Record

Since inception in 1993:

•	Purchasing	More than 990 aircraft purchased totalling close to US\$57 billion	

Leasing
 More than 1,190 leases executed with >180 airlines in 61 countries and regions

Financing¹ More than US\$38 billion in debt raised since 1 January 2007

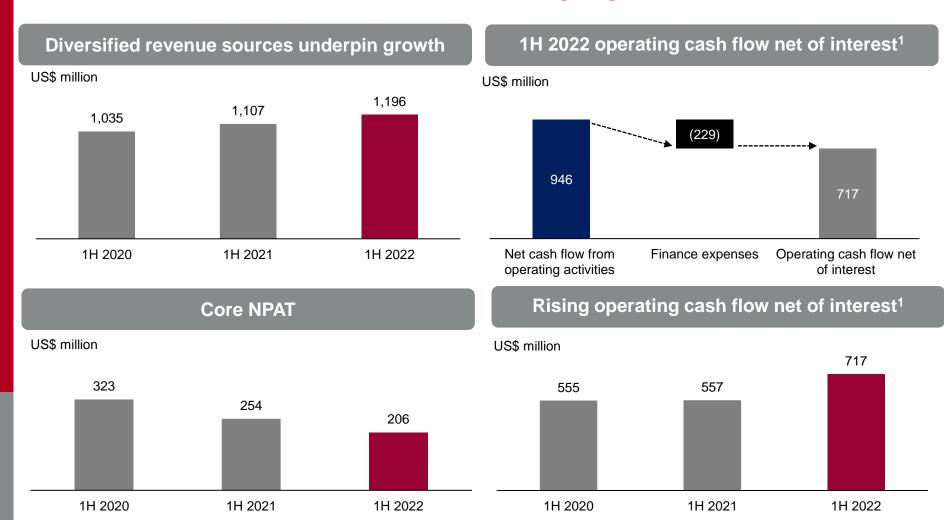
Sales More than 400 aircraft sold

Transitions
 More than 110 transitions

Repossessions² 65 aircraft in 19 jurisdictions



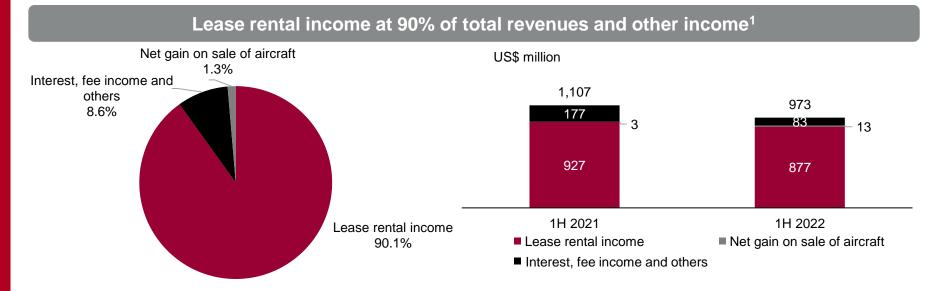
Resilient Performance in a Challenging Market



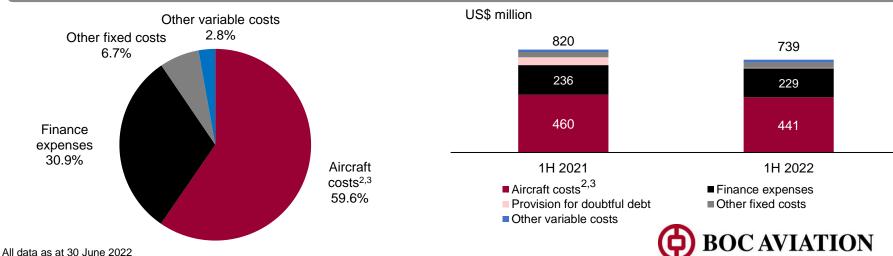
Collection rate rose to 97% from 96% a year ago



Lease Rental Income Continues to Dominate Revenue

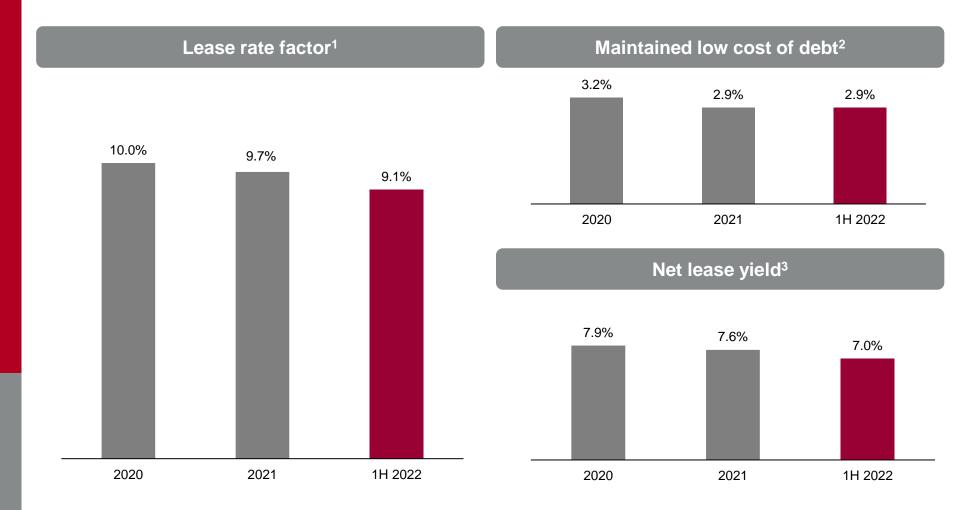






See Appendices - Endnotes

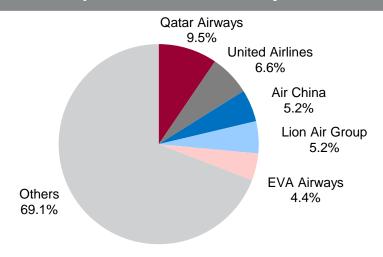
Lease Yields Reflect Market Environment During Covid



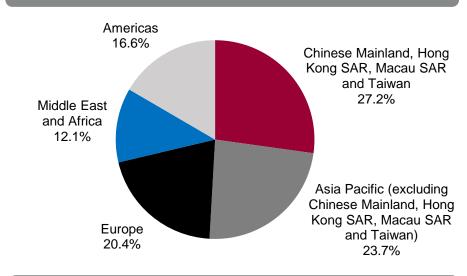


Globally Diversified Portfolio

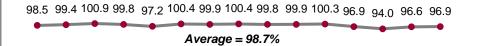
Lease portfolio diversified by customer^{1,2}



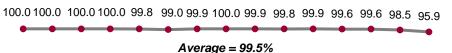
...and increasingly diversified by geography^{1,3}

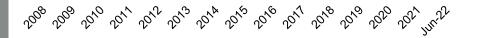


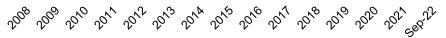
Collection rate (%)



Fleet utilisation (%)4





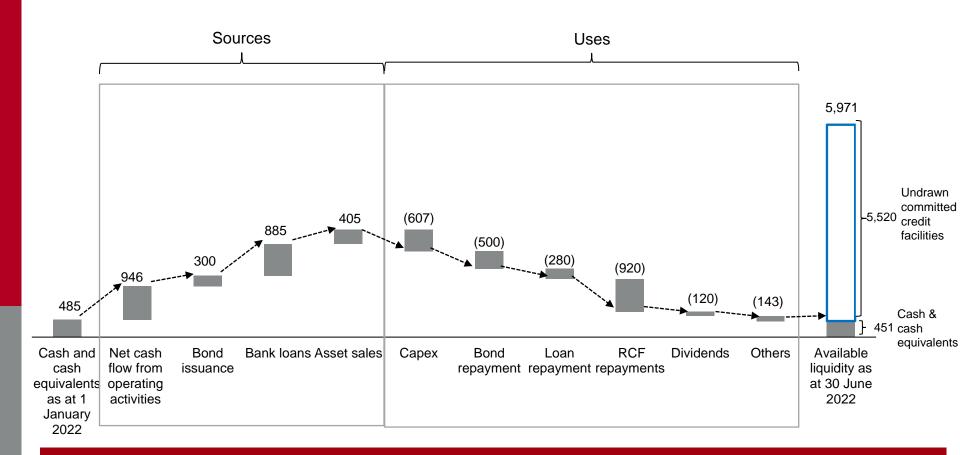




Diverse Funding Channels Utilised in 1H 2022

Sources and Uses of Cash

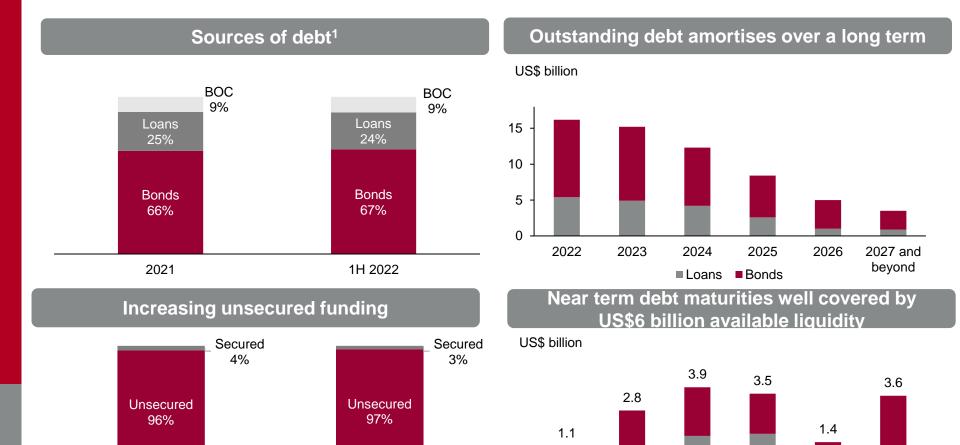
US\$ million



US\$6 billion of committed available liquidity



Flexible Capital Structure and Ample Backstop Liquidity



Long-term debt is a key strength

1H 2022

2H 2022

2023

2024

Loans



2026

2025

■ Bonds

2021

2027 and

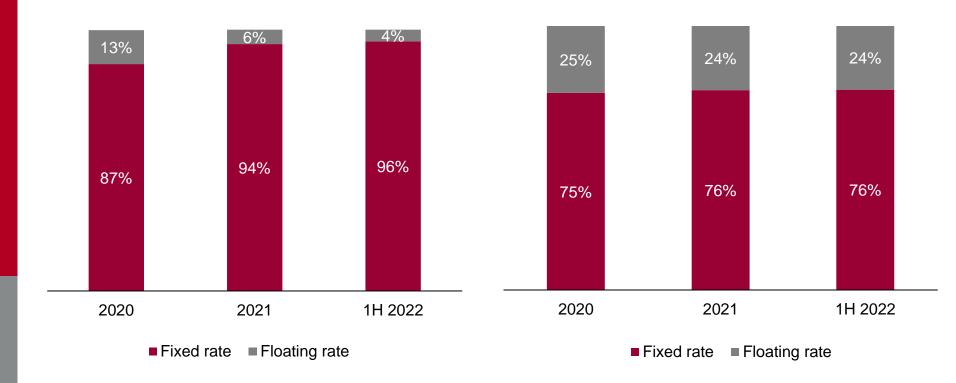
beyond

Fixed Rate Leases and Debt

Fixed rate leases dominate¹

Stable proportion of fixed rate debt²

By net book value



High proportion of fixed rate debt reduces impact of rising interest rates



Aviation in a Low Carbon Environment

	2020	2025	2030	2035	2040	2045	2050
Commuter » 9-50 seats » < 60 minute flights » <1% of industry CO2	SAF	Electric and/or SAF	Electric and/or SAF	Electric and/or SAF	Electric and/or SAF	Electric and/or SAF	Electric and/or SAF
Regional » 50-100 seats » 30-90 minute flights » ~3% of industry CO ₂	SAF	SAF	Electric or Hydrogen fuel cell and/or SAF	Electric or Hydrogen fuel cell and/or SAF	Electric or Hydrogen fuel cell and/or SAF	Electric or Hydrogen fuel cell and/or SAF	Electric or Hydrogen fuel cell and/or SAF
Short haul » 100-150 seats » 45-120 minute flights » ~24% of industry CO2	SAF	SAF	SAF	SAF	Electric or Hydrogen combustion and/or SAF	Electric or Hydrogen combustion and/or SAF	Electric or Hydrogen combustion and/or SAF
Medium haul » 100-250 seats » 60-150 minute flights » ~43% of industry CO ₂	SAF	SAF	SAF	SAF	SAF	SAF	SAF potentially some Hydrogen
Long haul » 250+ seats » 150 minute + flights » ~30% of industry CO2	SAF	SAF	SAF	SAF	SAF	SAF	SAF



Endnotes (1)

- SLIDE 3: 3Q 2022 and Recent Developments
 - 1. Includes all commitments to purchase aircraft including those where an airline customer has the right to acquire the relevant aircraft on delivery
 - 2. Weighted by net book value of owned fleet as at 30 June 2022
 - 3. As at 30 June 2022
- SLIDE 5: Popular and Fuel-Efficient Fleet
 - 1. Includes all commitments to purchase aircraft including those where an airline customer has the right to acquire the relevant aircraft on delivery
- SLIDE 6: Major Passenger Markets See Strong Rebound in Travel Sources: China MoT (Air Pax YoY) TravelSky (Traffic), TSA (Throughput), Eurocontrol (Flights), AWN ADS-B (Flights)
 - 1. Changes compared to 2021 with effect from January 2022
- SLIDE 7: Global Passenger Traffic Recovering Rapidly Source: IATA Air Passenger Market Analysis (September 2022)
- SLIDE 8: Rising Aircraft Utilisation Sources: AWN ADS-B
- SLIDE 9: Improving Forward Bookings Drive Traffic Recovery Source: IATA Air Passenger Market Analysis (September 2022)
- SLIDE 10: Jet Fuel Prices Source: Bloomberg, 7 November 2022
- SLIDE 11: Strengthening USD Source: Bloomberg, 7 November 2022
- SLIDE 12: Value of Deliveries to Exceed US\$120 Billion in 2025 Sources: BOC Aviation Analysis



Endnotes (2)

- SLIDE 13: Lessors Own 52% of the Aircraft Market Today Sources: Ascend, as at 30 September 2022, based on aircraft of 100+ seats. Fleet data for 2020 onwards includes aircraft in-service and aircraft additionally parked from end-2019 due to Covid-19 fleet grounding
- SLIDE 17: BOC Aviation Who Are We?
 - 1. By net book value of owned aircraft
 - 2. As at 30 June 2022
 - 3. Includes all commitments to purchase aircraft including those where an airline customer has the right to acquire the relevant aircraft on delivery
 - 4. Includes owned, managed and aircraft on order as at 30 September 2022
 - 5. Weighted by net book value of owned fleet as at 30 September 2022
- SLIDE 19: Core Competencies BOC Aviation Track Record
 - 1. As at 30 June 2022
 - 2. Includes repossessions and consensual early returns
- SLIDE 20: Resilient Performance in a Challenging Market
 - 1. Calculated as net cash flow from operating activities less finance expenses paid
- SLIDE 21: Lease Rental Income Continues to Dominate Revenue
 - 1. Excludes income of US\$223 million arising from the termination of leases of aircraft that remain in Russia
 - Excludes the effects of the one-time write-down of the net book value of aircraft that remain in Russia of US\$804 million
 - 3. Comprises aircraft depreciation and impairment charges



Endnotes (3)

SLIDE 22: Lease Yields Reflect Market Environment During Covid

- 1. Calculated as operating lease rental income divided by average net book value of aircraft and multiplied by 100%
- 2. Calculated as the sum of finance expenses and capitalised interest, divided by average total indebtedness. Total indebtedness represents loans and borrowings before adjustments for deferred debt issue costs, fair values, revaluations and discounts/premiums to medium term notes
- 3. Calculated as operating lease rental income less finance expenses apportioned to operating lease rental income, divided by average of aircraft net book value. Net lease yield for 1H 2022 is calculated on an annualised basis.

SLIDE 23: Globally Diversified Lease Portfolio

- 1. Based on net book value including aircraft subject to finance leases and excluding aircraft off lease and aircraft that remain in Russia as at 30 June 2022
- 2. For certain airlines, the percentage includes leases to affiliated airlines whose obligations are guaranteed by the named airline
- 3. Based on the jurisdiction of the primary obligor under the relevant operating lease
- 4. Fleet utilisation is the total days on-lease in the period as a percentage of total available lease days in the period

SLIDE 25: Flexible Capital Structure and Ample Backstop Liquidity

1. Drawn debt only

SLIDE 26: Fixed Rate Leases and Debt

- 1. By net book value including aircraft subject to finance lease, and excluding aircraft off lease
- 2. Represents the position net of any hedging
- SLIDE 27: Aviation in a Low Carbon Environment Source: ATAG Waypoint 2050 Report





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