

A. G. Ayrapetyan

*Student of the Faculty of Transport, Management and Logistics,
National Aviation University*

Y. V. Shevchenko

*PhD in Economics, Associated Professor, Associated Professor of Air Transportation
Department, Faculty of Transport, Management and Logistics,
National Aviation University*

THE AGE OF UKRAINIAN AIRLINES FLEET

The average age of the aircraft fleet of Ukrainian airlines is approaching 19 years and is currently 18,46 years old. The statistics may be observed at the Figures 1-2. The data were obtained by analyzing information from the register of Ukrainian civil aircraft on 94 aircraft of 12 Ukrainian airlines. The youngest aircraft with Ukrainian registration is 2 months old (Boeing 737-800 UR - PSR UIA - July 2016), the oldest is 50 years old (An-12B UR-11819 Motor Sich 1966).

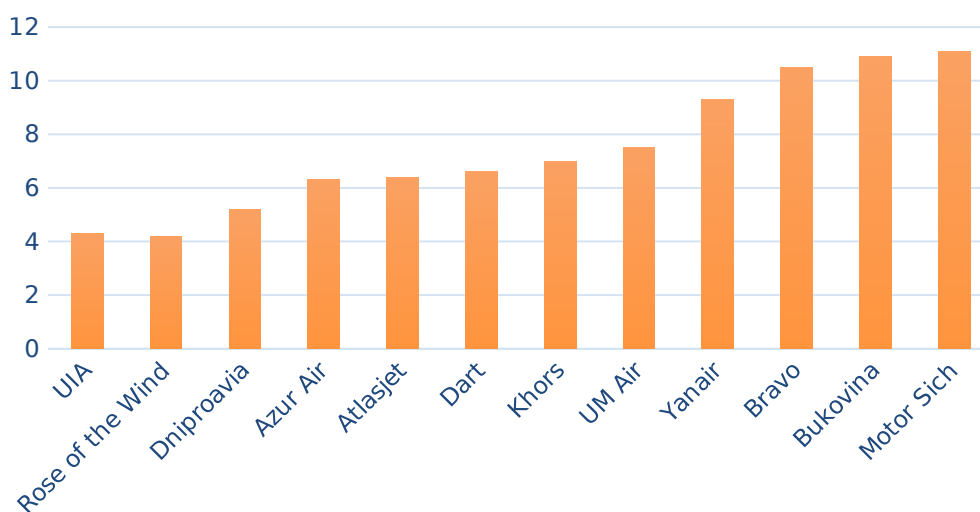


Figure 1. Age of Ukrainian fleet

Only 10 out of 94 aircraft are less than 5 years old and all of them are in the UIA fleet. The average age of the airline's fleet increased from 12,3 years in 2013 to 12.97 years in 2016. UIA's oldest airliners are the cargo Boeing 737-300 UR-FAA (27 years old) , all 4 long-haul Boeing 767s (UR-GEA, UR-GEB, UR-GEC, UR-GEB, 23-25 years old) and 5 Boeing 737s -500 (UR-GAK, UR-GAS, UR-GAT, UR-295

GAU, UR-GAW 23-25 years old). Excluding the cargo Boeing 737-300, the average age of the UIA fleet is 12,6 years.



Figure 2. Age of European fleet

Carrying out charter flights "Vetrov Rose" flies on 6 planes, the average age of which is 15 years. The youngest airliner A321 UR-WRI is 10 years old, the oldest A320 UR-WRM is 20 years old.

Dniproavia ranks third in terms of the age of its fleet with an average of 15,66 years. The airline's fleet includes 6 Embraer 145s manufactured in 1998-2003. The oldest board is 18 years old (UR-DNB), the youngest is 13 years old (UR-DNT).

The charter company Azur Air Ukraine (formerly Utair Ukraine) flies 3 Boeing 737s , the average age of which is 16,33 years . B Ports UR-UTP and UR-UTR released in 1998, the UR-UTQ - in 2003 and is the youngest aircraft in the Park Azur Air Ukraine.

Atlasjet Ukraine, which started flights in 2015 (also positions itself as Atlasglobal), has in its fleet 3 A320 aircraft with Ukrainian registration and an average age of 16,66 years . UR-AJB is the oldest and released in 1997. UR-AJA produced in 2000, UR-AJC in 2001.

Dart Airlines has three airliners in its fleet: the 2006 A321 UR-CPH , the 1994 A320 UR-CII , and the 1993 Learjet UR-NAC business jet . Thus, the average age of the park is 18,33 years.

Khors is the last Ukrainian airline with an average fleet age of less than 20 years. This indicator for the air carrier is 19 years.

There are 8 aircraft in the Ukrainian register for Khors. The oldest are A320 UR-CNJ and UR-COF (1992 and 1993). The youngest board on the roster - 13 years old - is the A319 UR-COP produced in 2003.

The average age of UM Air aircraft has exceeded 20 years and is now 22 years. Among the three MD-83 airliners included in the Ukrainian register, the UR-CJU was produced in 1989, the UR-CKN in 1994, and the UR-COO in 1999. This is the youngest aircraft in the UM Air fleet.

Specializing in charters and regular flights to Georgia, Yanair has 5 aircraft in its fleet with an average age of 23,2 years .

The oldest aircraft Boeing 737-300 UR-COG (1988 model year) and the Boeing 737-400 the UR - The CNP (1989 year). The youngest aircraft of 18 is the 1998 A321 UR-COJ.

Bravo Airlines has 5 aircraft from 1986-1995 with an average age of 25,2 years. The oldest board is 30 years old (MD-82 UR-WRB), the youngest is 21 years old (MD-83 UR-COB). There are 5 aircraft in the Ukrainian register (only model MD-82), operated by Bukovyna Airlines, with an average age of 25,8 years .

The oldest board is 28 years old (UR-BXM), the youngest is 23 years old (UR-BXI).

The average age of 12 Motor Sich aircraft in the Ukrainian register is 37,75 years. The models An-12, An-24, An-140, An-74 and Yak-40 without helicopters were taken into account.

The oldest board is An-12 UR-11819 of 1966, the youngest is An-140 UR-14005 of 2003 .

Excluding the An-12, the average age of Motor Sich aircraft that can be used to carry passengers is 34,16 years.

Possible errors: the age of the aircraft was determined by the following formula: 2016 (the year of manufacture of the aircraft indicated in the register). For example: 2016-1997 = 19 years old. Minor errors are possible due to the fact that the

register does not indicate the month of aircraft production. In this regard, the board, released in January 2015, is estimated to be 1 year old.

Referencelist:

1. Civil Aircraft Register of Ukraine, 2016
2. ICAO official website. URL: <https://www.icao.int>
3. World Bank Statistic Data. URL: <https://www.data.worldbank.org>
4. Ministry of Infrastructure of Ukraine. URL: <https://www.mtu.gov.ua>
5. Annual reports on the airline industry of Ukraine 2007-2016
6. State Aviation Administration of Ukraine official. URL: <https://www.avia.gov.ua>
7. UIA fleet. URL: <https://www.flyuia.com>