

IL-76D FREIGHTER



Il-76 TD aircraft is the evolution of the transport modification of the Il-76T aircraft.

The transportation efficiency of the aircraft has been improved, in comparison with Il-76T, by way of increasing maximum takeoff weight from 170 to 190 tons, maximum commercial load from 43.4 to 50 tons, and practical flying range with increased maximum load. Due to increased maximum takeoff weight and commercial load, and in order to improve operating life figures, the structures in the wing, fuselage and landing gear have been reinforced.



TECHNICAL REPORT DATA

Aircraft IL-76TD

Number UR-COZ

Factory No. 1023410355

1. Modification of acft - IL-76TD
2. Data of manufacture - 11/30/1992
3. The region of flight of acft - the whole world
4. TTSN – 10962 hours, 3341 landings



Main technical characteristics:

Dimensional characteristics:	
Length, m	46,6
Height, m	14,76
Wingspan, m	50,5
Wing area, sq.m	300
Fuselage diameter, m	4,8
Power plant parameters:	
Number x engine type	4 x turbojet engine
Engine	D-30KP and D-30 KP series 2
Top thrust (SI system, H=0), kgf	10 000 – 12 000

Technical information

ENGINES

INDEX NUMBER	1	2
TYPE	D-30KP-2	D-30KP-2
MANUFACTURER	NPO Saturn	NPO Saturn
MANUFACTURER SERIAL NUMBER (MSN)	0304402011650	03053038902052
DATE OF MANUFACTURE	20.08.1980	24.09.1989
DATE OF THE LAST REPAIR	21.10.2016	05.06.1997
NUMBER OF REPAIRS	1	1
ASSIGNED SERVICE LIFE, hours / cycles	12000 / 6160	12000 / 6160
TIME SINCE NEW (TSN), hours / cycles	1766 / 761	1878 / 867
REMAINING (TSN), hours / cycles	10280 / 5416	10122 / 5293
TIME BETWEEN OVERHAUL (TBO), hours / cycles / calendar	5000 / 1540/ till 21.10.26	5000 / 1540/ till 21.10.26
TIME SINCE OVERHAUL (TSO), hours / cycles	249 / 111	3808 / 1173
REMAINING (TBO), hours / cycles	4797 / 1446	4797 / 1446

Technical information

ENGINES

INDEX NUMBER	3	4
TYPE	D-30KP-2	D-30KP-2
MANUFACTURER	NPO Saturn	NPO Saturn
MANUFACTURER SERIAL NUMBER (MSN)	03053048502098	03053018702028
DATE OF MANUFACTURE	30.12.1985	31.01.1987
DATE OF THE LAST REPAIR	21.10.2016	21.10.2016
NUMBER OF REPAIRS	1	1
ASSIGNED SERVICE LIFE, hours / cycles	12000 / 6160	12000 / 6160
TIME SINCE NEW (TSN), hours / cycles	2669 / 932	2873 / 1017
REMAINING (TSN), hours / cycles	9331 / 5228	9127 / 5143
TIME BETWEEN OVERHAUL (TBO), hours / cycles / calendar	5000 / 1540/ till 21.10.26	5000 / 1540/ till 21.10.26
TIME SINCE OVERHAUL (TSO), hours / cycles	249 / 111	249 / 111
REMAINING (TBO), hours / cycles	4797 / 1446	4797 / 1446

Technical information

AIRFRAME

TYPE	IL-76TD
MANUFACTURER	TAPOiCh
MANUFACTURER SERIAL NUMBER (MSN)	1023410355
DATE OF MANUFACTURE	30.11.1992
DATE OF THE LAST REPAIR	without repairs, till to 30/11/2027
NUMBER OF REPAIRS	without repairs, till to 30/11/2027
ASSIGNED SERVICE LIFE, hours / landing / calendar	13000 / 4500 / till 30/11/2027
TIME SINCE NEW (TSN), hours / landing	10962 / 3341
REMAINING (TSN), hours / landing	2083 / 1159
TIME BETWEEN OVERHAUL (TBO), hours / landing	till 30/11/2027
TIME SINCE OVERHAUL (TSO), hours / landing	0 / 0
REMAINING (TBO), hours / landing	2083 / 1159
DATE AND SCHEDULED OF LAST MAINTENANCE	12.04.2017 - F-6

Technical information

Additionally installed equipment

B-RNAV (RNP-1)	GTN-625 Garmin
TCAS	TCAS II (ver. 7.1)
ELT	ARTEX -C 406
RVSM	VBE-2A
EGPWS	MARK -VIII
FLIGHT RECORDER	CFDR-42
OXYGEN EQUIPMENT	BKO-5M



Technical information

APU

TYPE	TA-6A
MANUFACTURER	GIDRAVLIKA
MANUFACTURER SERIAL NUMBER (MSN)	2236A201
DATE OF MANUFACTURE	1992
DATE OF THE LAST REPAIR	16.08.2006
NUMBER OF REPAIRS	1
ASSIGNED SERVICE LIFE, hours / cycles	4800 / 7500
TIME SINCE NEW (TSN), hours / cycles	652 / 1048
REMAINING (TSN), hours / cycles	4148 / 6452
TIME BETWEEN OVERHAUL (TBO), hours / cycles / calendar	1800/ 2700 till 06.04.2019
TIME SINCE OVERHAUL (TSO), hours / cycles	42 / 146
REMAINING (TBO), hours / cycles	1758 / 2554

TECHNICAL REPOT DATA

**Aircraft IL-76TD, number UR-COZ, factory
No. 1023410355**

1. Modification of acft - **IL-76TD**;
2. Data of manufacture - **11/30/1992**;
3. The region of flight of acft - the whole world;
4. TTSN – 10719 hours, 3234 landings,
5. Data of last O/H - without repairs;
6. Resource – before the 1st repair till 25 years (till to 11/30/2017) within a resource before the 1st repair of 4100 flights or 12600 flight hours;

7. Type and brand of an auto pilot - SAU-1T-2BT.

8. The list of the onboard avionics on the acft (high frequency of a radio communication (HF), very high frequency of a radio communication (VHF), system of an identification ""of-others" (IFR), the meteorological radar, cartographic RLS, the navigation computer, FDR, CVR – a sample is attached;

9. On the acft the following equipment is installed: **TCAS II (ver. 7.0)** ,
Garmin 155 , **EGPWS (MARK -VIII)** , **RVSM/VBE-2A**, **crew oxygen equipment**
BKO-5M (KM-114M)

10. **Engines :**

Type	MSN №	Data of manufac.	TTSN		Data of last local O/H	TSO	
			hrs	cycles/starts		hrs	cycles/starts
D-30KP-2	03053028602056	23.06.1986	3549	1332	01.10.2016	-	-
D-30KP-2	53049002015	29.10.1998	7282	2186	01.10.2016	-	-
D-30KP	0304404112808	27.10.81	7599	3312	01.10.2016	-	-
D-30KP	0304402401513	1998 (continuation of formular)	7637	3295	01.10.2016	-	-

11. **APU TA-6A :**

Type	MSN №	Data of manufac.	TTSN			number of repairs	Data of last O/H	TSO		
			hrs	starts	year			hrs	starts	y
TA-6A	2236A201	1992	610	902	24	1	16.09.2016	-	-	1



Main technical characteristics:

Dimensional characteristics:	
Length, m	46,6
Height, m	14,76
Wingspan, m	50,5
Wing area, sq.m	300
Fuselage diameter, m	4,8
Power plant parameters:	
Number x engine type	4 x turbojet engine
Engine	D-30KP and D-30 KP series 2
Top thrust (SI system, H=0), kgf	10 000 – 12 000
Weight parameters:	
Maximum takeoff weight, tons	190
Maximum payload, tons	50
Fuel tank capacity, l	109 500
Aircraft performance:	
Cruising speed, km/h	750-780
Flight altitude, m	9 100 – 12 100
Flight range with payload of 40 tons, km	4 900
Takeoff distance, m	1 700
Landing distance, m	930

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