



# GREAT BASIN AVIATION

## AIRWORTHINESS CHECKLIST

CESSNA 172SP N40RF

Name: \_\_\_\_\_ Date: \_\_\_\_\_ N-Number: \_\_\_\_\_

### Inspections AVIATES

Annual	12 Months	FAR 91.409 (a)	Most Recent: _____	Next Due: _____
VOR Check*	30 Days	FAR 91.171	Most Recent: _____	Next Due: _____
100 HR Inspection	100 HRs	FAR 91.409 (b)	100HR Due: _____ - Current TACH: _____ = _____	
Altimeter*	24 Months	FAR 91.411	Most Recent: _____	Next Due: _____
Transponder	24 Months	FAR 91.413	Most Recent: _____	Next Due: _____
ELT/ELT Battery		FAR 91.207 (c/d)	Most Recent: _____	Next Due: _____
Static & Encoder*	24 Months	FAR 91.411	Most Recent: _____	Next Due: _____

\* Required for IFR Flight

### Documents ARROWEC

<input type="checkbox"/>	Airworthiness Certificate	FAR 91.203	Hobbs Out _____
<input type="checkbox"/>	Registration Certificate	FAR 91.203	
<input checked="" type="checkbox"/>	Radio Station License	Outside US	Hobbs In _____
<input type="checkbox"/>	Operating Handbook	POH/AFM FAR 91.9	
<input type="checkbox"/>	Weight and Balance	POH/AFM	Flight Time _____
<input type="checkbox"/>	External Data Plate	FAR 45.11	
<input type="checkbox"/>	Compass Deviation Card	FAR 23.1547	Ending Tach _____

## Required Equipment - FAR 91.205

### VFR (Day) - FAR 91.205 (b) ATOMATOFLAMES

<input type="checkbox"/>	Anti-collision light system
<input type="checkbox"/>	Tachometer
<input type="checkbox"/>	Oil Pressure gauge (each engine)
<input type="checkbox"/>	Manifold pressure (each altitude engine)
<input type="checkbox"/>	Airspeed Indicator
<input type="checkbox"/>	Temp gauge (each liquid-cooled engine)
<input type="checkbox"/>	Oil Temperature gauge (each air-cooled engine)
<input type="checkbox"/>	Fuel quantity indicator
<input type="checkbox"/>	Landing gear position indicator (if retractable gear)
<input type="checkbox"/>	Altimeter
<input type="checkbox"/>	Magnetic compass
<input type="checkbox"/>	ELT
<input type="checkbox"/>	Safety belts

### IFR - FAR 91.205 (d) GRABCARD

<input type="checkbox"/>	All Day VFR equipments
<input type="checkbox"/>	All Night VFR equipments
<input type="checkbox"/>	Generator / Alternator
<input type="checkbox"/>	Rate of turn indicator
<input type="checkbox"/>	Attitude indicator
<input type="checkbox"/>	Ball (Slip/Skid indicator)
<input type="checkbox"/>	Clock (w/ sweeping second hand or digital)
<input type="checkbox"/>	Altimeter (pressure sensitive)
<input type="checkbox"/>	Radio equipment
<input type="checkbox"/>	Directional gyro
<input type="checkbox"/>	DME (if above FL240 and using VORs)

### VFR (Night) - FAR 91.205 (c) FLAPS

<input type="checkbox"/>	All Day VFR equipments
<input type="checkbox"/>	Fuses
<input type="checkbox"/>	Landing light
<input type="checkbox"/>	Anti-collision light system
<input type="checkbox"/>	Position indicator lights
<input type="checkbox"/>	Source of electricity

Always use the approved Operators Manual or POH/AFM specific to the airplane you are flying. Great Basin Aviation assumes no responsibility or liability for any errors or inaccuracies that may appear on this guide and it is not intended to replace the approved POH/AFM or FAA approved publications and procedures. 05-09-2019

Airport	Information	Time
Wind	@ G	Visibility
SKY	OVC BKN SCT FEW @	CLR SKC
	OVC BKN SCT FEW @	CLR SKC
	OVC BKN SCT FEW @	CLR SKC
Temperature	Dewpoint	Altimeter
Expect Runway	Remarks	
C		
R		
A		
F		
T		
Taxi	Via	Cross/ Hold Short
Taxi	Via	Cross/ Hold Short
Airport	Information	Time
Wind	@ G	Visibility
SKY	OVC BKN SCT FEW @	CLR SKC
	OVC BKN SCT FEW @	CLR SKC
	OVC BKN SCT FEW @	CLR SKC
Temperature	Dewpoint	Altimeter
Expect Runway	Remarks	

# CESSNA 172SP N40RF

## WEIGHT & BALANCE

	Weight	x	Arm	=	Moment
Basic Empty Weight	1813		42.5		77,106.95
Front Pilots	+		37"	+	
Rear Passengers	+		73"	+	
Bag1 120lbs. max	+		95"	+	
Bag2 50lbs. max	+		123"	+	

Zero Fuel Weight	=		CG	=	
Usable Fuel	+		48"	+	

Takeoff Weight	=		CG	=	
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### Formulas

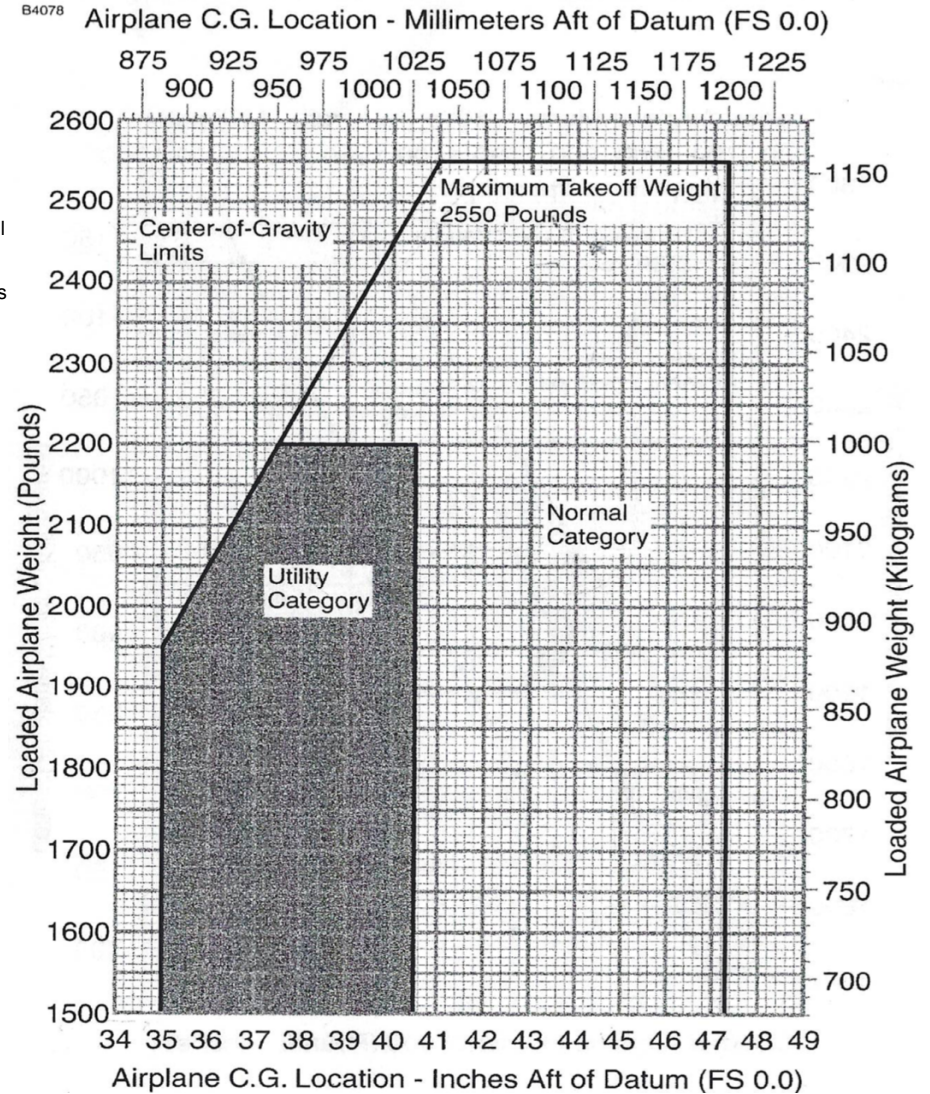
- > Weight x Arm = Moment
- > Total Moment / Total Weight = Center of Gravity (CG)
- > Max Ramp Weight - Zero Fuel Weight = Usable Fuel Weight
- > Fuel Weight / 6 = Fuel Gallons
- > 100LL (Blue) Fuel Weighs 6lbs/gal
- > Oil Weighs 7.5lbs / gal

FLIGHT PLAN		(FAA USE ONLY) <input type="checkbox"/> PILOT BRIEFING <input type="checkbox"/> VNR		TIME STARTED	SPECIALIST INITIALS
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION					
<input type="checkbox"/> STOPOVER					
1. TYPE	2. AIRCRAFT IDENTIFICATION	3. AIRCRAFT TYPE / SPECIAL EQUIPMENT	4. TRUE AIRSPEED	5. DEPARTURE POINT	6. DEPARTURE TIME
<input type="checkbox"/> VFR					PROPOSED (Z)    ACTUAL (Z)
<input type="checkbox"/> IFR			KTS		
<input type="checkbox"/> DVFR					
8. ROUTE OF FLIGHT					
9. DESTINATION (Name of airport and city)		10. EST. TIME ENROUTE	11. REMARKS		
		HOURS    MINUTES			
12. FUEL ON BOARD		13. ALTERNATE AIRPORT(S)	14. PILOT'S NAME, ADDRESS & TELEPHONE NUMBER & AIRCRAFT HOME BASE		15. NUMBER ABOARD
HOURS	MINUTES				
			17. DESTINATION CONTACT/TELEPHONE (OPTIONAL)		
16. COLOR OF AIRCRAFT		CIVIL AIRCRAFT PILOTS: FAR Part 91 requires you file an IFR flight plan to operate under instrument flight rules in controlled airspace. Failure to file could result in a civil penalty not to exceed \$1,000 for each violation (Section 901 of the Federal Aviation Act of 1958, as amended). Filing of a VFR flight plan is recommended as a good operating practice. See also Part 99 for requirements concerning DVFR flight plans.			

FAA Form 7233-1 (8-82)  
Electronic Version (Adobe)

CLOSE VFR FLIGHT PLAN WITH \_\_\_\_\_ FSS ON ARRIVAL

## CENTER-OF-GRAVITY LIMITS



### Performance

Short Field		Short Field	
Takeoff Distance		Landing Distance	
Ground Roll		Ground Roll	
50ft Obst.		50ft Obst.	