

Flymall/Kraemer Aviation Aircraft Appraisal Report

Client: XXXXXXXXXXXXXXXXXXXX

Phone & email: XXXXXXXXXXXXXXXXXXXXXXXXXX

Address: XXXXXXXXXXXXXXXXXXXXXXXXXX

This report is intended to be used by: XXXXXXXXXXXX

This report should not be distributed to anyone other than the intended user without her permission.

Aircraft Identification

Make: Cessna **Model:** 177 B

Serial No: 17701772

Reg. No.: N34343

Yr. Mfg.: 1972

Type of Aircraft: Fixed Wing Single Engine

Airframe Total Time: 4044 TTAF

Airframe Condition: The airframe appeared to be in good/average condition for an aircraft of this vintage.

Log Books in Aircraft Appear: Complete and original

Comments: At the time of the appraisal, the tac reading was 1572.00.



Maintenance Status

Maintenance Annual Date: July 21 2020 **On Progressive Inspection:** No

Time Life Limited Systems: **Cycle Life Limited Systems:**

Comments: There are not generally time life or cycle life limited systems on a general aviation piston aircraft.

Service Bulletin Status: All applicable Service Bulletins should be complied with at the next annual inspection.

ADs Complied With: All applicable ADs should be complied with at the next annual inspection.

Estimated Cost for AD's Compliance: Unknown

General Information

Interior Condition: Fair to good

Cabin Configuration: 4 place

Cockpit Condition: Fair to good

Panel Layout: Typical

Pressurized Cabin: No

Window Condition: Fair to good



Tires Condition: Poor. The tires are showing signs of age and are starting to dry rot and crack. All tires were still holding air and were not completely flat.



Type Brakes: Disc **Anti-Skid:** No

Exterior Paint Condition: The exterior paint is in fair to good condition for the age of the aircraft. The airframe log book shows that the aircraft was repainted on November 12 1977.

Comments: Overall, the aircraft is in fair to good condition. It appears to have been sitting untouched since about 2020.

Airframe Modifications

Modification: None known or reported to the appraiser.

Damage History

Current Damage: There was no visible damage to the aircraft. There were some minor dents in the wings.



Historical Damage: There was no record of any damage history at the time of the appraisal.

Engines & Props

Engine Manufacturer: Lycoming

Model: O-360-A1F6

Engine Type: Piston

Engine Fire Detection: No

Engine Fire Bottles: No



Prop Reversers: No

Prop Type: Constant speed

Engine #1 Serial No: 16873-36A

Time Since Factory Remanufacture: 658 SMOH

Engine Overhauled By: The engine overhaul appears to have been a “field overhaul” on June 1 1996. The August 2024 average engine overhaul cost per Blue Book was \$45,000.00 USD.

Recommended TBO: 2000

Propeller Make: McCauley

Model: B2D34C208

Number of Blades: 2

TSO/NEW: 1274 SMOH

Date O/H: September 19 1985

Serial Number: 723416



Known Maintenance Problems with Engine(s):

Estimated Cost to Repair: An online search shows that an average engine overhaul will be \$35,000 USD.

Engine Modifications

None known or reported to the appraiser.

Instrumentation

Full Panel: Yes

Dual Panel: No

Panel Configurations: Typical for single pilot operations

Panel Condition: Good

IFR Equipped: Yes

Comments: The aircraft is equipped for IFR flight, however, the avionics and navigation equipment is outdated and will need to be upgraded to comply with current regulations.



Avionics

King Transponder
KLX-135A GPS
Garmin GNS 430
Flight Com Intercom
KMA24 Audio Panel

The Avionics On This Aircraft Are Considered To Be: Old and out of date. This aircraft will need an avionics upgrade to be compliant with current regulations.



Additional Equipment

Dual Controls: Yes

Type: Yoke

Stall Warning System: Yes

Stick Shaker: No

Rotating Beacon: Yes

Strobe Light: Yes

Taxi Lights: No

Navigation Lights: Yes

Other Equipment: JPI EDM 700 engine monitor. ELT switch. Pitot heat. NAV lights. Port for data loading/downloading (for GPS? or JPI?).

De-Icing Systems

This section does not apply. This type of aircraft is not approved for flight into known icing conditions.

Aircraft Appraisers Comments

This aircraft, N34343 was personally inspected on July 27 2024 by Harry Kraemer, at XXXXXXXXXXXXXXXXXXXX. All comparables can be found in the Market Watch section of <https://flymall.org/>. Search for "177 B" and "Cardinal 177" under Model.

Appraisal Computation

Average Green Aircraft Value	\$106,344.00
-------------------------------------	---------------------

Additions

Total Additions	=====	\$
------------------------	-------	-----------

Deductions

Annual and engine	\$28,500.00
-------------------	-------------

ADS-B	\$2,000.00
-------	------------

Total Deductions	=====	\$30,000.00
-------------------------	-------	--------------------

Based on the above, the computed retail value of N34343 is	\$76,344.00
---	--------------------

The information herein has been prepared from many sources and believed to be correct. The appraiser, Flymall.org, nor Kraemer Aviation Services do not warrant the accuracy of the source material.

An inspection and inventory was conducted by a physical examination of the external surfaces of the aircraft, cockpit and passenger cabin. It includes an inventory and assessment of condition of avionics, instrumentation and aircraft systems. No inspection plates were removed for internal inspection. Further, the logbooks and other aircraft records were carefully examined for compliance with FAA regulations relating to Airworthiness Directives, damage and maintenance history, along with other required inspections. All aircraft records were presumed to be authentic, unaltered, and signatures and inspections therein by persons designated and appropriately licensed.

AD compliance was attested to by referencing the date of last Annual Inspection or other appropriate Inspection.

The appraiser hereby certifies that he has no personal interest in this aircraft identified in this appraisal or any bias toward any of the parties who may be involved in the resulting transaction coincident to this report. The appraiser fee is not contingent upon a predetermined value being reported or a percentage of the value being reported.

In the event of error or omission, the liability of the appraiser, Flymall.org, and Kraemer Aviation Services, if any, is limited and may not, in any event, exceed the amount paid for the appraisal. Further, the appraiser, Flymall.org, and Kraemer Aviation Services accepts no responsibility for usage of this form.

Harry Kraemer
Senior Aircraft Appraiser

A visual inspection and log book analysis was performed July 27 2024 on the aircraft N34343 at XXXXXXXXXXXXXXXX.. It is the opinion of this appraiser that the fair market value of the above aircraft is:

\$76,344.00

Harry Kraemer
SENIOR AIRCRAFT APPRAISER

Appraiser's Credentials

Harry is an experienced appraiser for aircraft (including warbirds), classic/collector cars and motorcycles, and other collectables. On average, Harry conducts between 50 to 100 appraisals per year. Harry has served as a judge for the Antique Automobile Club of America at their annual fall meet in Hershey PA. In 2009 Harry attended appraisal training at the International Vehicle Appraisers Network at their headquarters in Virginia. Harry also has experience buying and selling at auctions and often acts as a buyer's agent for clients.

Harry Kraemer is an experienced pilot, aviation educator, FAA Designated Pilot Examiner, and writer with more than 10,000 hours of flight time in over 120 different types of aircraft, flying everything from blimps, gliders, ultralights, and jets. He has traveled coast to coast giving over 100 lectures on aviation safety related topics. Harry has held numerous senior management positions in aviation including: Assistant Vice President of a Flight Department, Chief Pilot for a charter operation, Chief Pilot of a Flight School, and Aircraft Sales Manager. Harry is an Airline Transport Pilot and a Gold Seal Flight Instructor. Harry has the distinction of being the only instructor (out of approximately 100,000) to have ever held three Master titles from the National Association of Flight Instructors: Master CFI, Master Ground Instructor, and Master Aerobatic Instructor. Harry has published over 90 papers in over a dozen different aviation publications. Harry has also served as a contributing editor for several aviation publications and has worked as a research consultant for several book publishers. Harry has served as an Aviation Safety Counselor and a FAASTeam Representative for the Baltimore area for over 30 years and currently serves as an EAA Flight Advisor for the Experimental Aircraft Association.

Harry grew up around classic cars, hot rods, motorcycles, planes, and boats. Harry currently has a collection of over 70 rare motorcycles, bicycles, and engines. The collection ranges from the mid 1800s to current day. Harry has been riding motorcycles for over 50 years and boating/sailing for about the same amount of time. As a teenager, Harry attended several sailing schools and learned the art of sailing. Harry has crewed a 42 foot Ketch sailboat and a WWII Crash Boat. Harry's first plane ride was in the late 1960s and he earned his pilot's license in 1984.

Harry's automotive career began in the late 1970s working for a Chevrolet dealer in the parts department. Throughout the 1970s and 1980s Harry worked for numerous new car dealerships advancing to an Assistant Parts Manager. In 1989 Harry was presented with the Nissan Parts & Service Managers' Organization Recognition of Outstanding Dealership Parts Performance Award. Throughout the 1990s he worked for a large automobile dealer (with over 40 franchises) where he gained experience buying/selling cars at auctions, appraising used cars, and working as a service advisor. Harry has over 25 years experience appraising vehicles and aircraft, completing thousands of appraisals on cars, motorcycles, and aircraft. Harry has also published numerous articles on vehicle appraisals in multiple publications.

Appraiser's Credentials continued

Harry also holds the following certifications/licenses:

Federal Aviation Administration Airline Transport Pilot
Federal Aviation Administration Designated Pilot Examiner
Federal Aviation Administration Commercial Seaplane Pilot
FAA Flight Instructor Airplane single & multiengine & instrument airplane (since 1989)
FAA Advanced and Instrument Ground Instructor
Federal Aviation Administration Remote Pilot Certificate
Federal Aviation Administration Aircraft Dealer Certificate
FCC Restricted Radiotelephone Operator Permit
State Of Maryland Insurance License
PADI Basic Scuba Diver (since 1976)
Florida Saltwater Fishing License
Florida Shore-Based Shark Fishing License
Maryland Department of Natural Resources Boater Education Card
Canada Pleasure Craft Operator License
American Canoe Association Paddlesports Safety Certificate
American Sailing Association Certificate of Achievement
American Sailing Certified Sailor
Montana Off Highway Vehicle License
ATV Safety Institute Course Certificate
Michigan Snowmobile Safety Certificate
OSHA Compliant Scissor/Boom Lift Type 3 Group A&B Operator
OSHA Compliant Forklift Academy Certified Operator Card