

J.W. MILLER AVIATION, INC.
International Airport
San Antonio, Texas

FAA APPROVED

Date: May 4, 1971

FAA APPROVED
AIRPLANE FLIGHT MANUAL SUPPLEMENT
FOR
PIPER MODEL PA-23-160
S/N_____R/N_____

This supplement must be attached to the approved Airplane Flight Manual when AVCO-Lycoming IO-360-CIC Engines are installed in accordance with STC No. SA-1306-SW. The information contained herein supplements the information of the basic Airplane Flight Manual; for limitations, procedures, and performance information not contained in this supplement, consult the basic Airplane Flight Manual.

I. LIMITATIONS:

ENGINE:

Power Limits: For all operations - 200 HP - 2700 RPM -
Full throttle at sea level pressure altitude.
Fuel Grade: 100/130 minimum grade aviation gasoline.
Propeller: Hartzell Model HC-C2YK-2RB
Constant speed, full feathering
Pitch settings: High 80.3°: Low 15° at
30" station.
Propeller Limitations: Avoid continuous operation between
2000 and 2250 RPM Placard required.

INSTRUMENT MARKINGS:

Tachometer: Red Line (max.) 2700 RPM
Red Arc (avoid continuous operation) 2000 to
2250 RPM Green Arc 500 to 2000, 2250 to 2700 RPM

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Cylinder Head Temperature Gage: Red Line (Max.) 500° F.
Green Arc (Normal) 200° to 500° F.

Fuel Pressure Gauge: Range:0-50 PSI; Green Arc: 15-44 PSI; Red Lines @ 14 & 45 PSI

Oil Temperature Gage Red Line (Max.) 245° F.
Green Arc (Normal) 150° to 245° F. Yellow
(Caution) 100° to 150° F.

Oil Pressure Gage: Red Line (Max.) 100 PSI
Green Arc (Normal) 60 to 85 PSI
Yellow Arc (Caution) 25 to 60 PSI
& 85 to 100 PSI
Red Line (Min.) 25 PSI

MINIMUM CONTROL SPEED:80 MPH CAS
(Single Engine)

PLACARDS: 1.Avoid continuous operation between
2000 to 2250 RPM
2. Minimum control speed 80 MPH CAS

<u>WEIGHT & CG RANGE:</u>	Weight	Forward Limit	Rear Limit
S/N 23-1182 to 23-2040	Pounds	In. Aft of Datum	In. Aft of Datum
	2650 or less	89	100
	4000	96.0	100

Straight line variation between the points given.
Maximum allowable landing weight 3800 pounds.

II. PROCEDURES:

Fuel Management:

All weight in excess of 3800 pounds must be equally distributed in outer panel fuel tanks.

PERFORMANCE:

Performance equal to or better than original airplane.

Use 110 MPH, CAS single engine climb speed to assure adequate engine cooling.

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Glen W. Welsh

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Fort Worth, Texas

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