

## NEW ENGINE CERTIFICATE

This is to certify that the engine as described hereafter has been run-in and tested as prescribed by AVCO Lycoming Specifications and Federal Aviation Agency Regulation. No further run-in after installation is required.

Model IO-360-B1B Serial No. L-8453-51

Manufactured as new on September 14, 1971

Authorized representative

*Jim Heim*

AVCO Lycoming Factory Service Department

Form No. 777-A



LYCOMING DIVISION - WILLIAMSPORT, PA. 17701

IO-360-B1B

RIGHT ENGINE  
SN # L8453-51  
ON  
TRAVELAIR D95A  
N8831M

NUMBER EF5

Form 245

 LYCOMING DIVISION  
WILLIAMSPORT, PA.

**FINAL ENGINE ACCEPTANCE**

Eng. Serial No. L-8453-51

Inspector 

Date 9-21-71

## ENGINE DESCRIPTION

NEW  
Mfg.Mfgr. **AVCO LYCOMING**Place **WilliamSPORT, PENN.** Date **9-14-71**Type **4 cyl. direct drive  
HORIZONTAL-OPPOSED**Model **I0360-B1B**Serial No. **L-8453-51**Rated H. P. **180**MP **29.0"**Maximum H. P. **180**Weight (Dry) **296 lbs.**Rated R. P. M. **2700**Maximum R. P. M. **2700**Oil Pressure **65 psi. to 85 psi**Bore **5.125 inches**Stroke **4.375 "**Displacement **361.0**

Cu. In.

Compression Ratio **8.5:1**

Supercharger Ratio

Gear Ratio

Propeller **HARTZEN HC922K-2B**Hub Design **840-46**Hub Serial No. **1483 F**Blade Design **8447-B12A**Blade Serial No. **A62299**Blade Serial No. **A62206**

Maximum Hub H. P.

Maximum Blade H. P.

Pitch **LOW 14° AT 30 INCH  
HIGH 24° STATION**

Diameter

Length

Owners Name

Address

City

State















# ENGINE LOG

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DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER	
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.				
4/23/75			Tach	time	17	96.2			Changed oil + checked screen (Quaker State 40AD oil)			
									John M. Petrus A+P 1546718			
3/26/76			Tach	time	19	10.5			Changed oil + checked screen (Quaker State 40AD.)			
			AD Note	75-9-15					Fuel Flow Divider C/W			
			Installed new shafts & linkage on alternate air box.									
			Installed new spark plugs.									
BROUGHT FORWARD										I certify that this <u>Engine</u> has been inspected in accordance with an <u>Annual</u> inspection and was found to be in <u>Airworthy</u> condition.		
TOTALS										Date <u>3/26/76</u>		
										Total Time <u>622.5</u>		
										Name <u>John M. Petrus</u>		
										Number <u>A+P 1546718 IA</u>		















## ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS — ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
10/12/84	Av	Mtr					25	88.8	Compression check —		
	#1	76/80	#2	76/80	#3	78/80	#4	77/80	Cleaned & gapped		
	spark plugs. Checked mag. timing. Cleaned F/I										
	screen. Installed new rocker cover gasket at										
	#3 cyl. Changed oil & checked screen.										
	Phillips x/c oil. I certify that this engine										
	has been inspected in accordance with an										
	Annual inspection and was found to be in an										
	Airworthy condition.										
									Oct. 12, 1984		
									Total time 1300.8		
									John M. Peterson		
									AvP 1546718 IA		
BROUGHT FORWARD											
TOTALS											

# ENGINE LOG

LICENSE NUMBER	DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
	12/13/85	Ar. Mtr.		2642.8								
J		Compression		#1 75/80	#2 77/80	#3 78/80	#4 78/80			I certify that this Engine has been inspected in accordance with a Annual inspection and was found to be in Airworthy condition		
I		Cleaned & gapped spark plugs. Timed mags. Cleaned F/I screen.										
A		Installed new hose to oil cooler.										
		Changed oil & checked screen.										
		Phillips X/C 20w50 oil.										
		<div style="float: right; text-align: right;">                     Date Dec. 13, 1985                      Total Time 1354.8                      Name John M. Petrus                      Number A-P 1546718 LA                 </div>										
	1/5/87	Tech		2693.2		Total time		1405.2				
		Engine removed for overhaul.										
		John M. Petrus A-P 1546718										
		BROUGHT FORWARD										
		TOTALS										

MEMORANDUM

DATE \_\_\_\_\_

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AD 79-04-05 N/A by Bendix F/I Part # John M. Petrus A+P154678