



Blue Ribbon Engine

VAN DUSEN TECHNICAL SERVICES 

Piston Products
1701 East Main Street
Griffith, IN 46319

(219) 924-7110

The Standard



ENGINE LOG



DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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4-1-25 3643.9

LYCOMING IO-360 A1B6D TMSO 1870.7 TT 3643.9

ENGINE Inspected IAW FAR 43 APDX D and Mooney Aircraft Co. 100 Hour Annual Inspection Guide. Completed guide added to aircraft records. Applicable AD's ckd. Recurring AD 15-19-07 dated 11-03-15, Lycoming MSB 342G (Fuel Inj Lines), Verified by inspection. Re inspection due 3-28-2. AD Compliance List added to aircraft records. Applicable Mooney SB's ckd. SB Compliance list added to aircraft records. Engine degreased. Engine oil drained, 7 Qts Phillips 20W50 added. 11 oz Camguard added. Tempest A48103-2 filter installed & safetied. Mag timing ckd ok @ 25° BTC. Magneto OH @tach 3505.7, OH due@tach 4007.7. New Tempest URHM38E spark plugs installed. Gaps ckd w/in Tempest specs. Warm compression test conducted IAW Lycoming Service Instruction 1191A #1 80/65 #2 80/70 #3 80/78 #4 80/ 65 Engine run up all parameters normal. No leaks found. One hour test flight conducted. All parameters normal.

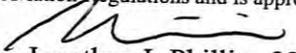
Patrick M. Sullivan
Patrick M. Sullivan 2875311 Date 4/1/25

John A. Bradley
John A. Bradley AP3447020 Date 4-1-25

4/26/25 3668.2 Drained & changed oil. Refilled with 6qts AeroShell W100 plus and 10oz of Camguard. Replaced oil filter, Cut filter and inspected TSMOH sent oil for analysis. Ran engine. No leaks noted.
1763.2
P. Sullivan Pilot cert 2875311 owner

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6/28/25 3681
TMSO 1776
Removed and replaced Brackett AF filter element with Brackett Part BA-6225 called for on assembly.
P. Sullivan Pilot Cert 2875311 owner

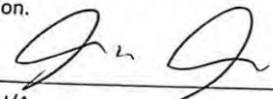
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	Make: Lycoming Model: IO-360-A1B6D S/N: L-15376-51A		Phillips Aviation, LLC 8234 Cessna Dr, Hangar B Peyton, CO 719-900-1267	TSMOH: 1648.8
	Performed ANNUAL INSPECTION on this date. Drained oil & serviced 8qts of Aeroshell W100 oil. Replaced oil filter and inspected element. Engine compressions were: 1:75/80, 2:76/80, 3:72/80, 4:77/80. Complied with AD 15-19-07 by inspection. Next due 3663.8 or 2/2023. Reviewed all AD's and updated AD listing.			
	The engine identified above was inspected in accordance with current Federal Aviation Regulations and is approved for return to service.			
	Date: 1 Feb 2022		 Jonathan L. Phillips 33437601A	

Sept 1 Tach reads 3568.9 Engine Total Time 3568.9 hrs Time since
2023 Major Overhaul 1663.9 hrs.

- Complied with A.D. 2015-19-07 Fuel injector lines and clamps all OK due again at Tach 3678.9 on Sept 2024
- Drained and changed oil - refilled with 8qts Aeroshell W100
- Replaced oil filter - cut open old filter - no debris found.
- Compression reads #1 75/80 #2 76/80 #3 75/80 #4 72/80
- Timing checked at 25° all OK

Next Page

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Sept 1 2023	3610.8		1705.8	This Engine has been inspected in accordance with the Mooney Airplane Co. Inc. 100 hour - Annual Inspection Guide and Title 14 CFR 43 Appendix D. I certify that this Engine has been Inspected in accordance with a 100hr - Annual Inspection and has been determined to be in Airworthy Condition. <i>Ellen McCouler</i> Sept 1 2023 A6P 2146338 I/A
Apr 20 2021				Drained & changed oil. Refilled with 6qts Aeroshell W100 plus. Replaced oil filter, cut old filter open, sent oil for analysis. Ran engine no leaks noted. <i>PJM</i> Pilot cert 2875311 owner

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				<p>DATE: 11-08-2017 MAKE: Lycoming MODEL: IO-360-A1B6D SERIAL NO: L-15376-51A N201JK TACH: 3505.7 ENG TT: 3505.7 TSMOH: 1600.7</p> <p>Engine inspection in accordance with FAR 91.409 (b). Complied with using checklist and FAR 43 appendix D. Compression check reveals 1) 75/80 2) 76/80 3) 68/80 4) 72/80. Changed oil and filter. Old filter cut open and inspected, no contamination found. Replaced new CH48103-1 oil filter and serviced with 7 QTs. of 15W50 Aeroshell oil. Sparkplug removed, cleaned, gapped and tested. Installed with new M-674 spark plug gasket and replaced 1 new spark plug. Repaired #1 cylinder ignition leads. Performed 500 Hrs. magneto inspection, replaced following parts distributor block P/N-10-682054, 2 new contact points P/N-10-382585, Pin P/N-10-90751-19, Screws P/N-10-391213, Spring P/N-10-51324, Impulse coupling P/N-10-400167-9 and gasket P/N-LW12681. Timed magneto to engine to 25 degrees BTDC in accordance with Lycoming maintenance Manual. Repaired both left and right magneto P-leads wiring. Replaced new #3 EGT probe. Replaced all 4 intake manifold ring seal P/N-LW 77569 and new gaskets P/N-LW 71973. Engine ground operation after inspection and servicing was normal with no oil or fuel leaks noted.</p> <p>I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be Airworthy Condition.</p> <p>SIGNATURE  611942051 I/A Andres Amil III A&P I/A 351 Airport Rd. Novato, CA. 94945</p>

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02-22	3507.4			<p>Removed and installed new ignition harness Assembly P/N-10-821444-GR (D5-15) 67 #21456. Engine Ground operation checks normal.</p> <p> A8CP611942051</p>

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1-13-09	TACH		TIME 3474	CHANGED OIL & FILTER INSP FILTER -OK CHECKED COMPRESSION & TIMING -OK CLEANED SPARK PLUGS REPLACED AIR FILTER AD 96-09-06 (BRACKETT) CIW BY INSP NEXT DUE TACH 3574 AD 09-14-07 (LYC, INJ. LINES) CIW BY INSP NEXT DUE AT NEXT ANNUAL OR TACH 3574 DP & A&P552273581
TSOH 1569				
DATE	1-13-09	TACH TIME	3474	TOTAL TIME 3474
I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION				
DOUGLAS P. SMITH A&P552273581 DP IA				

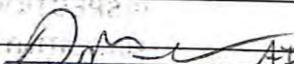
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4-1-10	TACH		TIME 3483	CHANGED OIL & FILTER INSP FILTER -OK CHECKED COMPRESSION & TIMING -OK REPLACED AIR FILTER AD 96-09-06 (BRACKETT) CIW BY INSP NEXT DUE AT TACH 3583 AD 08-14-07 (INJ LINES) CIW BY INSP. NEXT DUE AT NEXT ANNUAL OR TACH 3583 DP & A&P552273581
TSOH 1578				
DATE	4-1-10	TACH TIME	3483	TOTAL TIME 3483
I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION				
DOUGLAS P. SMITH A&P552273581 DP IA				

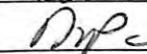
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1-13	-07	TACH	TIME 3465	CHANGED OIL & FILTER INSP FILTER -OK CHECKED TIMING & COMPRESSION -OK CLEANED AND GAPPED SPARK PLUGS - REPLACED AIRFILTER AD 96-09-06 (BRACKETT) C/W BY INSP NEXT DUE AT TACH 3565 AD 02-26-01 (LYC. INJ LINGS) C/W BY INSP & REPLACEMENT OF #4 LINE NEXT DUE AT NEXT ANNUAL OR TACH 3565 REPLACED FUEL PRESS GAUGE LINE INSTALLED DIODE ACROSS FIELD AS PER MOONEY INST. D.P. & ACP 552273581
				TSOH 1560
				DATE 1-13-07 TACH TIME 3465 TOTAL TIME 3465
				I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION
				DOUGLAS P. SMITH A&P552273581 <u>D.P. Smith</u>

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1-25	-08	TACH	TIME 3469	CHANGED OIL & FILTER INSP FILTER -OK CHECKED TIMING & COMPRESSION -OK CLEANED & GAPPED SPARK PLUGS REPLACED AIRFILTER AD 96-09-06 (BRACKETT) C/W BY INSP NEXT DUE TACH 3569 AD 02-26-01 (LYC. INJ LINGS) C/W BY INSP. NEXT DUE AT NEXT ANNUAL OR 3569 D.P. & ACP 552273581
				TSOH 1564
				DATE 1-25-08 TACH TIME 3469 TOTAL TIME 3469
				I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION
				DOUGLAS P. SMITH A&P552273581 <u>D.P. Smith</u>

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6-25-04	TACH TIME 3452			CHANGED OIL & FILTER - INSP FILTER - OK CLEANED & GAPPED SPARK PLUGS - AD 93-02-05 (FUEL INJ LINES) C/W BY INSP NEXT DUE AT TACH 3552 AD 96-12-07 (BGNLY IMPULSE) DUE AT TACH 3783 REPLACED AIR FILTER CHECKED COMPRESSION & TIMING - OK DIP ACP552273581
<p style="text-align: right;">150th</p> DATE <u>6-25-04</u> TACH TIME <u>3452</u> TOTAL TIME <u>1678</u> PROP T.T. <u>908</u>				
I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN A <u>SAISFACTORY</u> CONDITION DOUGLAS P. SMITH A&P552273581 <u>D.P.S.</u>				

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9-15-04	TACH 3456			CHANGED OIL & FILTER - INSP FILTER - OK CLEANED AND GAPPED SPARK PLUGS AD 93-02-05 (FUEL INJ) C/W BY INSP NEXT DUE AT TACH 3556 OR 9-05 AD 96-12-07 (IMPULSE) DUE AT TACH 3783 REPLACED AIR FILTER CHECKED COMPRESSION & TIMING - OK DIP ACP552273581 REPAIRED #4 EXHAUST GASKET
DATE <u>9-15-04</u> TACH TIME <u>3456</u> TOTAL TIME <u>1682</u> PROP T.T. <u>912</u>				
I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN A <u>SAISFACTORY</u> CONDITION DOUGLAS P. SMITH A&P552273581 <u>D.P.S.</u>				

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11-06-02				TACH TIME 3439 CHANGED OIL AND FILTER INSP FILTER - OK CHECKED TIMING & COMPRESSION - OK REPLACED AIR FILTER - OK AD 93-02-05 (INS LINES) (IN BY INSP NEXT DUE AT 3529 AD 78-09-07 (IMPULSE) DUE AT TACH TIME 3783 A&P 552273581
DATE <u>11-06-02</u> TACH TIME <u>3439</u> TOTAL TIME <u>1665</u>				
I CERTIFY THAT THIS <u>ENGINE</u> HAS				PROP TT
BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL				895
INSPECTION AND WAS DETERMINED TO BE IN				
AIRWORTHY CONDITION				
DOUGLAS P. SMITH A&P552273581 				

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6-15-03				TACH TIME 3449 CHANGED OIL AND FILTER INSP FILTER OK CLEANED AND GAPPED SPARK PLUGS AD 93-02-05 (INS LINES) (IN BY INSP NEXT DUE AT TACH 3549 AD 78-09-07 (IMPULSE) DUE AT TACH TIME 3783 REPLACED AIR FILTER  A&P 552273581
DATE <u>6-15-03</u> TACH TIME <u>3449</u> TOTAL TIME <u>1675</u> PROP TT <u>905</u>				
I CERTIFY THAT THIS <u>ENGINE</u> HAS				
BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL				
INSPECTION AND WAS DETERMINED TO BE IN				
AIRWORTHY CONDITION				
DOUGLAS P. SMITH A&P552273581 				

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				MADE UP A.P. LIST AS REQ.
				I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED
				BY FAR 91.173, C/U RECURRING
				IN ACCORDANCE WITH AN <u>ANNUAL</u> INSPECTION AND WAS
				A.O. # 93-02-05 BY INSPECTOR.
				DETERMINED TO BE IN A WORTHY CONDITION.
				ALL OTHER ENGINE AND ENGINE
				ACCESSORY A.P.S N/A OR PCW.
				AD'S CHECKED FROM <u>96-20</u> WHEELS GREASED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
				TACH TIME <u>3367.8</u> TOTAL TIME <u>3230.0</u> TSMCH <u>1456.70</u> SEE A.P. LIST IN AIRCRAFT
				DATE <u>10-16-96</u> <u>30704</u> <u>5</u> <u>10</u> LIC. # <u>A521964634</u> MAINTENANCE RECORDS FOR
				<u>DETAILS. TIGHTENED &</u>
				RESERVED OIL DIPSTICK TUBE IN CASE, COMPRESSION CHECK #1 $\frac{25}{30}$,
				#2 $\frac{25}{30}$, #3 $\frac{24}{30}$, #4 $\frac{26}{30}$, INSTALLED NEW HELICOIL IN #1 CYLINDER
				LOWER SPARK PLUG HOLE, CHANGED OIL AND FILTER, SERVICED WITH
				80TS, REARSEAL BMW 50, RUN UP CHECK OK NO MAJOR LEAKS, ALL
				FUNCTIONS NORMAL. <u>END</u>

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4 NOV	3384.0		3251.4	Touched 1478. v Annual Insp; Compression
				72-78. 74-73, Sig oil & filter - brushed 15W50
				R&B alternator, muffler; Re-Skimmed Eng;
				9/2 AD 593-0205 (C) by insp, 96-09-10 A-C
				@E/H, 95-07-01 SA by Dale, 94-06-09 SA by PH,
				95-26-16-R1 by installing Kit K20-250-01B.
				certify that this <u>ENGINE</u>
				has been inspected in accordance
				with <u>ANNUAL</u> inspection and was
				determined to be in a worthy condition.
				Date: <u>4 NOV 97</u>
				Total Time: <u>3251.4</u>
				Pertinent details of the repair/work are on
				file at this repair station in Work Order <u>97-256</u>
				F.A.A. APPROVED REPAIR STATION NT3R722L
				LAKE AERO STYLING & REPAIR
				LAMPSON FIELD - P.O. BOX 545
				LAKEPORT, CA 95453 - (707) 263-0412
				<i>Paul E. Saew</i>
				I certify that this <u>ENGINE</u>
				has been inspected in accordance
				with <u>ANNUAL</u> inspection and was
				determined to be in a worthy condition.
				Date: <u>28 NOV 98</u>
				Total Time: <u>3251.4</u>
				Pertinent details of the repair/work are on
				file at this repair station in Work Order <u>97-256</u>
				F.A.A. APPROVED REPAIR STATION NT3R722L
				LAKE AERO STYLING & REPAIR
				LAMPSON FIELD - P.O. BOX 545
				LAKEPORT, CA 95453 - (707) 263-0412
				<i>Paul E. Saew</i>

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11-4-92 3301.1 TACH H CHANGED oil & Filter Mobil AV1 8 QTS.
 TSN 3168.4 T.T.E 120582305 Dan Kueper owner
 TSMOH 1395.2 SMOH ENGINE

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED I.A.W. A 100 HR/ANNUAL INSP. RETURNED TO SERVICE THIS DATE. 11/20/93
 T.T.A. 3333.4 TACH TIME 3333.4 T.T.E 3200.7
 SMOH 1427.5

S. E. Page
 G.E. PAGE AP/IA2268635

Oct 20-93 A.D. 93-02-05 INSP. FUEL INJECTOR LINES 1/A/W 5B 342A
 INSPECTION SATISFACTORY *S. E. Page* 2268639 1A

Differential COMPRESSION CHECK
 over 80 1/76 2/78 3/76 4/78 * *
 ENG. T.T. SMOH
 DIRECT COMPRESSION CHECK - all cylinders OK
S. E. Page

DATE 1993 RECORDING TACH TIME TODAY'S FLIGHT TOTAL TIME IN SERVICE DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

Oct 20, 93 Continued
 To 11-20 '93

INSTALLED NEW LINE (Prop Governor Oil Line)
 STAINLESS STEEL (RIGID) 1/4" ID A090-04-0691
 AC43-131A CH. 10, AC65-9. INSTALLATION OF RIGID TUBING, PLUMBING ASSEMBLY PROCEEDINGS
 Installed new cushion clamps. ID OF LINE =
 Plymouth TUBE CO. TYPE 3215
 8808B-8606 375 x 0.22 A/W
 3333.4 3200.7
 SMOH 1427.5 ALL FITTINGS/NUTS/LINE STEEL.
 NOV 20, 1993 *S. E. Page* AP2268639 1A

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1991/11/22	3084.73			changed oil & filter Mobil AV-1 8 QTS TSN = 2,952.03 TSMOH = 1,178.83 <i>Dale E. Jones</i> "owner" 120582305
1992/2/4	3170.0			Changed oil & filter. Mobil AV-1 8 QTS TSN = 3,037.30 TSMOH = 1,269.11 <i>Dale E. Jones</i> "owner" 120582305
1992/6/24	3234.0			changed oil & filter Mobil AV-1 8 QTS TSN = 3101 TSMOH = 1328 12658 2305 <i>Dale E. Jones</i> "owner"

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1992/10/9	3273.9		3159.7	<p>I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED: MADE W/ COMPUTER GENERATED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS: A.P. LIST AS REQUIRED BY FAR 91.417. DETERMINED TO BE: OK ALL ENGINE AND ENGINE ACCESSORY A.D.'S CHECKED: 92-17 A.D.'S THRU 92-17 N/A OR F/W, TACH TIME 3273.9 TOTAL TIME 3159.7 TSMOH 1371.5 SEE A.P. LIST FOR DETAILS. DATE 10-9-92 SIG: <i>Thomas E. Liggett</i> #A65286634A P.T. COMPRESSION CHECK #1 $\frac{78}{30}$, #2 $\frac{78}{30}$, #3 $\frac{76}{30}$, #4 $\frac{76}{30}$. TIGHTENED & REAFIRED OIL DIPSTICK TUBE, TIGHTENED #3, OIL RETURN LINE HOSE, REPLACE NOT ON #7 OIL SPARK PLUG LEAD, TIGHTENED THROTTLE ARM, AND REAFIRED INTERIOR AIRBOX PROPERLY. OIL & FILTER NOT CHANGE DUE TO TIME SINCE LAST CHANGE, RUN UP CHECK OK, NO MAJOR LEAKS, ALL FUNCTIONS NORMAL. — END — END</p>

AIRCRAFT SERVICE AND PARTS

6358 W. Golden Lane
Glendale, AZ 85302
(602) 254-2029

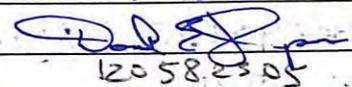
GW A.P.
78-09-07
IMPROVE COUPLING, NO DEFECTS.

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19 <u>90</u>				
3-30	2900.4			Changed oil & filter serviced with Mobil 1 oil. Removed & Replaced with New Vacuum pump 211 CC. Revised Order 2083156 A+P
	TSMOH = 994.5			
	TSN = 2,767.7			
5-18	2960.0			Changed oil & FILTER. Mobil AVI oil. 8QTS
	TSN = 2,827.3			
	TSMOH = 1,054.1			<i>D. J. [Signature]</i> "OWNER" 120582305
7-2	3019.1			Changed oil & FILTER - Mobil AVI 8QTS
	TSN = 2,886.4			
	TSMOH = 1,113.2			<i>D. J. [Signature]</i> "OWNER" 120582305

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19 <u>91</u>				
				I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED
				IN ACCORDANCE WITH AIR ADVISAL INSPECTION AND WAS
				DETERMINED TO BE IN GOOD CONDITION. YES NO
				A.D.'S CHECKED 91-14M GREASED <input checked="" type="checkbox"/> <input type="checkbox"/>
	TACH TIME 3030.7		TOTAL TIME 2970.0	TSMOH 1129.8
	DATE <u>11-9</u>	SIG. <i>[Signature]</i>		LIC. # <u>A05269646341A</u>
				UPDATED A.P. LIST AS PER BY FAR 91.173, ALL ENGINE AND ENGINE ACCESSORY A.D.'S THRU 91-14M N/A OR PCW. SEE A.P. LIST IN REAR OF AIRFRAME LOG FOR DETAILS. CHANGED OIL AND FILTER, CLEANED AND CAPED SPARK PLUGS, CLEANED INTAKE NOZZLES, CHECKED MAG TIMING, AND C/W COMPRESSION CHECK, ALL CYLINDERS $\frac{7}{16}$ OR ABOVE. RESEALED #1 Cyl. PUSH ROD TUBES, ENGINE FILLED WITH SEPT. MOBILE AVI, RUN UP CHECK OK, NO MAJOR LEAKS, ALL FUNCTIONS NORMAL.
				END

AIRCRAFT SERVICE AND PARTS
6358 W. Golden Lane
Glendale, AZ 85302
(602) 254-2029

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED MAKE UP A.D. LIST AS REQR BY FAR 91.173
				IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS ALL ENGINE + ENGINE ACCESSORY A.D.'S
				DETERMINED TO BE IN A SUFFICIENT CONDITION. THRU 90-13M N/A OR PCW. SEE A.D.
				A.D.'S CHECKED THRU 90-13M WHEELS GREASED <input type="checkbox"/> <input type="checkbox"/> LIST IN REAR OF A/C LOG FOR DETAILS.
				TACH TIME 2722.19 TOTAL TIME 2594.49 TSMOH 821.29 COMPRESSION CHECK #1 $\frac{24}{50}$ #2 $\frac{24}{50}$ #3 $\frac{22}{50}$
				DATE 7-1-90 SIG. Thomas S. Tomic # A-15267443524 P4 $\frac{23}{50}$ RUN UP CHECK OK NO MAJOR
				LEAK, ALL FUNCTIONS NORMAL. OIL NOT
				CHANGED DUE TO TIME SINCE LAST
				CHANGE — END
				AIRCRAFT SERVICE AND PARTS 6358 W Golden Lane Glendale, AZ 85302 (602) 254-2029

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
9-16-90	2790.-			CHANGED oil & oil filter 8QTS Mobil AV1. TSMOH 884.1 TSN 2657.3  'owner' 120582305
12-7-90	TACH 2852.7			HRS INSTALLED AND ADJUSTED FUEL SERVO AFTER REPAIR BY OTTOSEN PROPPELLER AND AERON INC. YELLOW TAG IN BACK OF LOG ENGINE IDLE SPEED & MIXT. GOOD William C. Lewis A&P 1843520
12-9-90	TACH 2853			CHANGED oil & oil filter 8QTS Mobil AV1. [cleaned spark plugs & fuel injectors - 11/10/90] TSMOH 947.1 TSN 2720.3  'owner' 120582305
2-10-91	TACH 2885.38			REPAIRED EXHAUST MUFF. REPLACED EXHAUST GASKETS REPLACED VALVE COVER GASKETS William C. Lewis A&P 1843520 TSMOH = 979.48 TSN = 2752.68

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				<p>ENGINE - Drained oil, cleaned screens, checked & cleaned spark plugs, checked compression, checked fuel system; drained sumps, checked starter and generator brushes, checked mag and timed properly, checked prop for leaks and grease. Functionally checked engine.</p> <p>Mobil 15V I</p> <p>I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>PA</u> INSPECTION IS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAIL OF THIS INSPECTION ARE ON FILE AT THIS REPAIR STATION UNDER REPAIR ORDER # <u>1538</u>.</p> <p>TOTAL TIME <u>2364</u> <u>task 2496</u> <u>Smart 591</u></p> <p>SIGNED <u>[Signature]</u> DATE <u>6/2/89</u></p> <p>THE MOD SQUAD, INC. CRS 362-39</p>
1-20-90	2603.			<p>CHANGED OIL. 8 QTS. of Mobil AV-1.</p> <p>CHANGED oil filter - oil analysis AOA ok</p> <p>CHANGED (8) SPARK PLUGS. installed Champion Iridium plugs RHM38S. GAP bet .016" to .021"</p> <p>Daniel E. Kuper OWNER. 120582305</p>

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
5-7-90	2662.67			<p>CHANGED oil & oil filter. 8QTS Mobil AV1 AOA oil analysis.</p> <p>TSMOH <u>756.77</u> TSN <u>2529.97</u></p> <p>Daniel E. Kuper 'owner' 120582305</p>
6/7/90	2715.70			<p>CHANGED oil & oil filter. 8QTS of Mobil AV1.</p> <p>TSMOH <u>809.8</u> TSN <u>2583.</u></p> <p>Daniel E. Kuper 'OWNER' 120582305</p>

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				ENGINE - Drained oil, cleaned screens, checked & cleaned spark plugs, checked compression, checked fuel system, drained sumps, checked starter and generator brushes, checked mags and timed properly, checked prop for leaks and grease. Functionally checked engine.
				CHANGED OIL & FILTER
				CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION IS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAIL OF THIS INSPECTION ARE ON FILE AT THIS FACILITY UNDER REPAIR ORDER # <u>2850</u> TOTAL TIME <u>2061.2 hr. Tech 2193h SMOH 288</u> SIGNED <u>Theodore Matthew</u> DATE <u>4/7/87</u> WEISS AERO SERVICE/CRS. #362-39
2-20-88	2295.82			changed oil & filter Phillip 26-40XC E. Lewis owner

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				ENGINE - Drained oil, cleaned screens, checked & cleaned spark plugs, checked compression, checked fuel system, drained sumps, checked starter and generator brushes, checked mags and timed properly, checked prop for leaks and grease. Functionally checked engine.
				<u>Mobil AVI OIL</u>
				CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION IS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAIL OF THIS INSPECTION ARE ON FILE AT THIS REPAIR STATION UNDER REPAIR ORDER # <u>020</u> TOTAL TIME <u>2205.2 Tech 2337 SMOH 432</u> SIGNED <u>Theodore Matthew</u> DATE <u>5/2/88</u> THE MOD SQUAD, INC. CRS 362-39
6/29/88	2387			changed oil & filter MOBIL 1 AV E. Lewis owner
8/29/88	2439			changed oil & filter MOBIL 1 AV E. Lewis owner

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				ENGINE-Drained oil, cleaned screens, checked & cleaned spark plugs, checked compression, checked fuel system, drained sumps, checked starter and generator brushes, checked mag and timed properly, checked prop for leaks and grease. Functionally checked engine.
				I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION IS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAIL OF THIS INSPECTION ARE ON FILE AT THIS FACILITY UNDER REPAIR ORDER # <u>8266</u> TOTAL TIME <u>1.941.2</u> <u>total 1973.2</u> <u>SMO# 68.1</u> SIGNED <u>Frank Matha</u> DATE <u>2/1/85</u> WEISS AERO SERVICE/CRS. #362-39
<u>3-20-85</u>	<u>2002</u>			CHANGED OIL & FILTER 8 QTS 20-50 PHILLIPS G. LEWIS owner
<u>9-5-85</u>	<u>2064</u>			CHANGED OIL & FILTER 8 QTS 20-50 PHILLIPS Lo-Lewis owner
<u>7-20-86</u>	<u>2123</u>			CHANGED OIL & FILTER 20/50 PHILLIPS XC 2 G. Lewis
<u>11/22/87</u>	<u>2175</u>			CHANGED OIL & FILTER 20/50 XC G. Lewis owner
<u>7/27/88</u>	<u>2242</u>			CHANGED OIL & FILTER 20/50 XC G. Lewis owner

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				ENGINE-Drained oil, cleaned screens, checked & cleaned spark plugs, checked compression, checked fuel system, drained sumps, checked starter and generator brushes, checked mag and timed properly, checked prop for leaks and grease. Functionally checked engine.
				I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION IS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAIL OF THIS INSPECTION ARE ON FILE AT THIS FACILITY UNDER REPAIR ORDER # <u>1674</u> TOTAL TIME <u>1.972.2</u> <u>total 2104</u> <u>SMO# 189</u> SIGNED <u>Frank Matha</u> DATE <u>3/3/86</u> WEISS AERO SERVICE/CRS. #362-39

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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The aircraft and/or component identified below was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency under Work Order No. 31759

Engine Model I0360A1B6D Serial No. L-15376-51A

Date Oct. 11, 1984 Signed [Signature]
TT: 1773.2

Van Dusen

for PISTON PRODUCTS

TECHNICAL SERVICES
C.R.S. No. 3125

1701 EAST MAIN STREET
GRIFFITH IN 46319
TELEPHONE (219) 924-7110

Major overhaul engine to manufacturers specifications, comply with all current AD notes and Service Bulletins, at time of overhaul, overhaul or exchange Magneto(S/N#A6553K), Fuel Injection(S/N#55812) Starter(S/N#3H000308).

-----END-----

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
11-19-84	TACH 1905.9		TTE 1773.2	TSMOH O.O INSTALLED THIS ENGINE IN MOONEY M205 N201JK S.N. 24-0040. SERVICED WITH 8QTS. AEROSHELL 80 MINERAL OIL. INSTALLED NEW LORD MOUNTS. PROP GOVERNOR S-N. 771870 OVERHAULED BY THUNDERBIRD, OKLAHOMA CITY, OK. REPLACED FUEL PRESSURE LINE FROM FIREWALL TO FUEL INJECTOR. PRESSURE TESTED ALL OTHER FLEXIBLE FLUID CARRYING LINES. RAN-UP, CHECKED FOR LEAKS, NONE NOTED. <u>Richard D. Witten A4P2077668</u>
12/19	1934.63			changed oil w/50 WD AEROSHELL FLYNT PAN AM. SEE MTC TICKET
1/22/85	1962.93			CHANGED OIL W/30WT. N.D. AEROSHELL <u>[Signature]</u> OWNER

- Van Dusen Technical Services, Inc. / Limited Engine Warranty -

Van Dusen Technical Services, Inc. (hereinafter "Van Dusen") makes the following warranty to its customer, subject to the limitations, conditions and exclusions set forth below.

Warranty Coverage - For a period of six (6) months after date of delivery to customer or 240 hours of use, whichever occurs first. Van Dusen shall repair or replace, at its option, any aircraft engine or part which is found to be defective, to Van Dusen's satisfaction, within said warranty period. After six (6) months from date of delivery to customer or 240 hours of use, and prior to the expiration of the original manufacturer's recommended time between overhaul ("TBO"), the cost of repair or replacement (including the cost of parts and labor), at Van Dusen's option, shall be prorated in the following manner: The customer shall pay the net price for a newly rebuilt engine, or part(s) used in effecting repair, equal to the current list price for the engine or part divided by the applicable TBO, and then multiplied by the number of hours on the repaired or replaced engine (which shall be deemed the greater of the actual logbook hours, recorded tachometer hours or time at forty (40) hours per month from date of delivery). Labor costs associated with the repair of a defective engine or part shall be prorated in the same manner. The repair or replacement of any part under the foregoing warranty shall not extend the periods of warranty coverage set forth above. Van Dusen reserves the right to change the price or specifications of any engine or part at any time.

Conditions and Procedures for Obtaining Warranty Work - The foregoing warranty shall be effective only if the defective engine or component serviced is returned to Van Dusen's facility at Griffith, Indiana at customer's expense, together with particulars in writing of the nature of the defect, or if customer or his representative contacts Van Dusen at its facility at Griffith, Indiana for verification and authorization of warranty repair. Written authorization must be obtained from Van Dusen before repairs covered by warranty can be performed outside Van Dusen's shop. In no event shall allowable labor costs exceed local published shop rates. The foregoing warranty shall apply if and only if the engine has been properly installed and maintained in accordance with current approved standards of the FAA and current recommendations of the manufacturer as specified in applicable factory manuals and service bulletins. The performance of

recommended inspections and maintenance must be documented by logbook entries which must accompany any engine returned for warranty work. Defects must be discovered within the warranty period and Van Dusen must be given prompt notice thereof in writing, within ten (10) days after discovery.

Limitations, Exclusions and Disclaimers - Van Dusen shall not assume freight charges, transportation or delivery expenses, installation or removal costs or air frame repairs, all of which are excluded under this warranty. Van Dusen does not warrant parts, materials or services supplied or performed by others, including without limitation, parts, such as magnetos, starters, alternators and turbochargers, which were purchased from a manufacturer and assembled as a unit without altering the unit. This warranty which has been subject to misuse, neglect, accident, or damage from the elements, or which has been installed, repaired, maintained or altered in any manner which, in the judgement of Van Dusen, has had an adverse effect on the engine or part. This warranty shall not apply to any engine which has been operated under conditions which exceed the manufacturer's recommendations. This warranty shall not apply to any engine which has been repaired or altered, in any manner, outside Van Dusen's shop.

THE FOREGOING WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, ARISING BY OPERATION OF LAW OR OTHERWISE, INCLUDING WITHOUT LIMITATION THE WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE, WHICH WARRANTIES ARE HEREBY EXCLUDED. Van Dusen's liability hereunder shall be limited to the repair or replacement of any engine or part found to be defective within the applicable warranty period as set forth above. IN NO EVENT SHALL VAN DUSEN BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OR ECONOMIC LOSS OF ANY NATURE WHETHER ARISING IN CONTRACT OR TORT, INCLUDING STRICT LIABILITY IN TORT OR NEGLIGENCE ON THE PART OF VAN DUSEN. The foregoing limitations and exclusion with respect to implied warranties, and the exclusion of incidental or consequential damages may not apply in those states which prohibit such limitations or exclusions. This warranty gives customer-specific legal rights, and the customer may have other rights which vary from state to state.

Warranty Number 31759
 Engine Serial Number L-15376-51A
 Aircraft Registration Number _____

Van Dusen Technical Services, Inc.
 Piston Products Division
 1701 East Main Street
 Griffith, Indiana 46319
 Tel: (219) 924-7110

ENGINE RECORD — GENERAL INFORMATION

MANUFACTURER Lycoming MODEL I0360A1B6D
SERIAL L-15376-51A TYPE CERTIFICATE _____
THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT N201JK S.N. 24-0040

MINIMUM OCTANE FUEL _____ OIL GRADE SUMMER _____ WINTER _____
MAGNETO TIME _____ POINT SETTING _____ FIRING ORDER _____
SPARK PLUG GAP _____
MFG. RECOMMENDED OVERHAUL AT _____ HOURS.

CAUTION:

Use only straight mineral oil during break-in period or for the first fifty (50) hours, whichever occurs first.

The Standard



ENGINE LOG