

CARDINAL 30553

**ENGINE LOG**

LOG BOOK NO. 2

EMIL J. NIOSI

Emil J. Niosi  
2601 West 110th Street  
Bloomington, Mn. 55431

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2601 West 110th Street  
Bloomington, Mn. 55431

NUMBER EF5

ENGINE DESCRIPTION

Mfr. **LYCOMING** Model **O-360-A1F** Serial No. **L-13658-36A**  
 Type **H. OPPOSED** Maximum H. P. **180** Weight (Dry)  
 Rated H. P. **180** Maximum R. P. M. **2700** Oil Pressure  
 Rated R. P. M. **2700** Displacement  
 Bore Supercharger Ratio Gear Ratio  
 Compression Ratio  
 Propeller **MCCALULEY** Hub Design **1A1Q0EAA** Hub Serial No. **P 73188**  
 Blade Design Blade Serial No. Blade Serial No.  
 Maximum Hub H. P. Maximum Blade H. P.  
 Pitch **56"** Diameter **76** Length  
 Owners Name **Emil J. Misi**  
 Address **2601 West 110<sup>th</sup> St.** City **Bloomington** State **Minnesota**

LOG BOOK # 2

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.				
72												
5-5					332	00	332	00	CHANGED OIL TO AERO-W #50			
5-7							332	63				
5-7							333	52				
5-7							334	73				
5-8							335	20				
5-20							336	74				
5-26							336	96	CHANGED SPARK PLUGS TO AC 5R88			
5-30							337	62				
6-1							338	36				
6-4							338	91				
6-5							339	36				
6-17							340	33				
BROUGHT FORWARD												
TOTALS									340	33		

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.			
72							340	81			
6-22							341	81			
6-24							343	24			
6-25							344	29			
7-1							344	60			
7-2							345	34			
7-3							345	76			
7-3							348	55			
7-4							349	09	ADDED 1 QT AEROSHELL W #50 P.P. Jimi		
7-6							350	70			
7-9							350	30			
7-10							351	96			
7-10											
BROUGHT FORWARD							351	96			
TOTALS											

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.			
7-14							352	74			
7-16							354	00			
7-18							355	59			
7-19							355	85			
7-21							356	11	CHANGED OIL AEROSHELL W #50 - E.J. K.		
7-22							356	90			
7-23							358	92			
7-24							359	36			
7-26							360	65			
7-30							362	43			
8-2							364	80			
8-7							365	23			
BROUGHT FORWARD							365	23			
TOTALS							365	23			







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.				
5-19							442	33				
5-20							443	72				
5-28							444	92				
<p>6/2/73 Task 445 annual inspection completed this date - changed oil checked screen - compression            1 <sup>74</sup>/<sub>80</sub> 2 <sup>77</sup>/<sub>80</sub> 3 <sup>79</sup>/<sub>80</sub> 4 <sup>77</sup>/<sub>80</sub> I certify that            this engine has been inspected in accordance with annual inspection and was determined to be in airworthy condition James F. Reese            AP1563201</p>												
6-2							445	60				
BROUGHT FORWARD							445	60				
TOTALS												

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.				
6-3							446	05				
6-5-7							449	25				
6-10							450	26				
6-13							451	69				
6-24							455	48				
6-30							456	00				
7-1							459	40	ADDED 1QT. Aero-W-#50N.D. C-12.			
7-2							463	13				
7-4							464	71				
7-8							466	28				
7-16							466	72				
7-19							467	55				
BROUGHT FORWARD												
TOTALS												



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.			
							493	56			
8 11-11							494	31	ADDED 1QT AERO-W #30A.D. E.J.R.		
8 11-18							494	96			
9 11-22							469	10			
9 12-1							470	70			
9 12-7							498	17			
9 12-19							498	66			
9 12-29							499	58			
9 12-30							500	28			
10 1-5							500	66			
1 1-13							501	40			
1 1-15							502	16			
1 1-16							502	16			
BROUGHT FORWARD											
TOTALS											

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.			
							502	56			
1-17							503	35			
1-25							504	16			
2-16							506	14			
2-17							507	79			
2-24							508	15	CHANGED OIL TO AERO-W #30A.D. E.J.R.		
3-3							508	63			
3-3							509	22			
3-9							510	67			
3-11							512	28			
3-17							513	43			
3-25							513	87			
4-8							513	87			
BROUGHT FORWARD											
TOTALS											



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.			
							532	11			
7-7							532	75			
7-8							534	34	CHANGED PLUGS SR88	E. J. J.	
7-14							534	90			
7-15							536	47			
7-21							537	02	ADDED ONE QT. AEROSHELL #50		A.D.
7-23							538	93			
7-27							539	72			
7-30							542	21			
8-4							543	76			
8-11							544	33			
8-13							544	89			
8-18											
BROUGHT FORWARD											
TOTALS											

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.			
							545	46	CHANGED OIL AERO-Y-50 A.D.E. 72.		
8-19							546	32			
8-22							547	81			
8-23							548	47			
8-28							549	63			
8-31							552	61			
9-1							553	40			
9-4							553	82			
9-5							555	49			
9-7							558	65			
9-8							560	11			
9-13							561	26			
9-14							561	26			
BROUGHT FORWARD											
TOTALS											

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.			
							563	40			
8 9-15							567	17	CHANGE OIL TO AERO-W #30 A.D. E.J.R.		
8 9-22							568	84			
9 9-29							569	52			
9 10-9							570	75			
9 10-12							573	28			
9 10-20							575	65			
9 10-27							576	20			
9 11-2							578	22			
10 11-3							578	74			
11 11-6							579	18	ADDED 1 QT. AERO-W #30 A.D. E.J.R.		
11 11-16							580	87			
11 11-17											
BROUGHT FORWARD											
TOTALS											

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.			
BROUGHT FORWARD											
TOTALS											





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.			
							626	66			
7-5							627	50			
7-8							629	18	ADDED 1 QT AERO-W # 50		
7-11							629	89			
7-13							630	96			
7-19							633	87			
7-20							635	33			
7-25							637	78			
7-27							638	81			
8-16							640	26			
8-17							641	76			
8-31							642	27			
9-3							642	27			
BROUGHT FORWARD											
TOTALS											

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.			
August 15, 1975									Tech 638, total time 638		
Annual inspection completed this date in accordance with the American Aviation Co 100 hr/Annual inspection Form. Inspected engine air filter per para 15 of AD 75-07-02, seals OK. Inspected carburetor bowl gasket per Lycoming SB 366 - OK. Replaced hose from muffler to carb heat box. See rec'd of #1 airframe log book for AD update.											
I certify that this aircraft has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.											
AMERICAN AVIATION CO. FLYING CLOUD FIELD HOPKINS, MINN. 55343 FAA CERTIFIED REPAIR STATION 3065 THE ABOVE DESCRIBED MAINTENANCE/ OR REPAIR IS CERTIFIED AIRWORTHY AND A DETAILED RECORD IS HELD ON FILE UNDER W/O # 41290.											
BROUGHT FORWARD										SIGNED	INSPECTOR
TOTALS										DATE	8-15-75













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.			
							725	39			
7-11							726	17	CHANGED OIL #50 A.D. AERO-W.C.P.		
7-17							726	84			
7-21							729	81			
7-23							731	18			
7-25							731	96			
7-31							736	25			
8-8							739	84			
8-12							740	43	ADDED 1 QT AERO-W #50 A.D. S.P.P.		
8-14							741	36			
8-15							742	07			
8-16							744	14			
8-18											
BROUGHT FORWARD											
TOTALS											

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.			
BROUGHT FORWARD											
TOTALS											









ENGINE LOG

D	DA	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.			
									799	25			
8	2-3	20							800	03			
9	2-3	21							800	42			
9	2-3	30							802	00			
9	2-3	31							802	42			
9	2	4-6							803	13			
9	2	4-9							803	74			
9	2	4-16							804	08	CHANGED TO AERO-W # 50A-D. E.J.G.		
9	2	4-17							804	83			
9	2	4-28							805	68			
11	3	5-7							806	91			
1	3	5-8							807	65			
1	3	5-13							807	65			
E	BROUGHT FORWARD												
		TOTALS											

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.			
									72 579		
									60 000		12-2
									54 000		CE-2
									50 128		
									54 000		J-4
									21 216		J-4
									50 128		
									50 128		11-7
									54 000		12-2
									54 000		1-2
									54 000		1-2
									54 000		1-2
									54 000		1-2
									54 000		1-2
		BROUGHT FORWARD									
		TOTALS									

**SERVICEABLE**

WILLIAMS INSTRUMENT SERVICE  
 F.A.A. Approved Repair Station 3758  
 Class 1, 2, 3 and Limited Instrument  
 8001 LEA ROAD, BLOOMINGTON, MINN. 55438  
 Telephone: 941-2460

Description: Mansholt Pressure  
 Part Numbers: 3725 IN Migr. Std. Pressure  
 Type: Single Ser. No. 467  
 Remarks: Repaired & Calibrated  
operation normal - ok  
no service.  
 Inspected by: [Signature]  
 Date: 3-3-77



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.			
							822	60			
7-3							823	04			
3-7-4							824	53			
3-7-8							825	23			
3-7-10							825	81			
3-7-11							827	22			
4-7-15							827	62			
4-7-16							827	98	CHANGED OIL AERO-W #50A.D. E7A		
4-7-17							828	59			
4-7-18							829	57			
4-7-22							830	10			
5-8-1							831	13			
5-8-2							831	13			
BROUGHT FORWARD											
TOTALS											

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.			
BROUGHT FORWARD											
TOTALS											





