

539 300B
#1
Cessna®



ENGINE
AND PROPELLER LOG

N 13706 SERIAL NO. L-36031-2111

306

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19 73						
11-20	20	20				
11-21	45	35				
12-79		50	0	CHANGED ENG. OIL AND CLEANED OIL SCREEN.		
				THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND FAR PART 43 PERTAINING TO 100 HOUR INSPECTIONS AND IS CERTIFIED AIRWORTHY.		
4/8/74	97				Changed Eng oil Cleaned oil screen Cleaned & regapped spark plugs. Lead down: All Cyls. 100	
				DATE TOTAL TIME A & P MECHANIC A & P NO.		
12-79	125	0		CHANGED ENG. OIL AND CLEANED OIL SCREEN.		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

DATE		DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
19	7/12		HOURS	10THS			
19	7/12		1999	01	I certify this engine was major overhauled according to the manufacturers specifications & recommendations, and inspected in accordance with current Federal air regulations. All steel parts magnafluxed, engine run-in and found satisfactory for return to service. Total time at overhaul 1999.01. Pertinent details of work accomplished on file under work order # [REDACTED] NEW ENGLAND ENGINE SERVICE, INC. [REDACTED] HARTFORD, CT 06114 HARTFORD BRAINARD AIRPORT [REDACTED] <i>cu H.E. c/a</i>		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

FLIGHTWAYS

OF LONG ISLAND

Republic Airport, Farmingdale, NY 11735
(516) 694-6635

Aircraft Registration No. 13306

Tach _____ Aircraft
Time _____ Serial No. L-36031-27A

Date 3/29/83

SIGNATURE

LICENSE
NUMBER

MAINTENANCE LOG SUPPLEMENT

THIS IS TO CERTIFY THAT THIS ENGINE HAS BEEN OVERHAULED TO MANUFACTURERS NEW LIMITS, BY FLIGHTWAYS OF LONG ISLAND. ENGINE WAS DISASSEMBLED, CLEANED & INSPECTED. ALL STEEL PARTS MAGNETIZED & ALL ALUMINUM PARTS DYE CHECKED. ALL AIRWORTHINESS DIRECTIVES & SERVICE BULLETINS ARE IN COMPLIANCE. INSTALLED NEW GASKETS, SEALS, (4) PISTON, (4) PISTON PINS, PISTON PIN PLUGS, RINGS, EXHAUST VALVES, EXHAUST GUIDES, TAPPET BODIES, HYD. UNITS, SOCKETS, MAIN & ROD BEARINGS, CONNECTING ROD NUTS & BOLTS, CAM, INTAKE VALVES, ROCKER ARM BUSHINGS, SPARK PLUGS, FUEL PUMP, VACUUM PUMP & MAGNETO. INSTALLED RECERTIFIED CRANKCASE S/N L-21767-27A BY DIVCO INC. AND CRANKSHAFT WAS POLISHED .003 UNDERSIZE BY AIRCRAFT SPECIALTIES SERVICE & RECERTIFIED. STARTER & ALTERNATOR WERE OVERHAULED BY FLIGHTWAYS OF L.I. ENGINE WAS OVERHAULED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. - END -

Signed _____

Certificate No. APP _____

PAGE

4/1/83
A/C TACH 1258.9
ENG. TOTAL TIME
3875.0
ENG SMDH -0-

CESSNA172M
N13306

A/C TT. 4337

ENG.TT.4337

TACH TT 1757.3 LYCOMING O-320E2D

S/N17262654

DATE: 04-09-2011

PROP: 4337

ENG.SFMOH: 0.2

S/N L36031-27A

This engine removed from aircraft due to low compression, no sudden stoppage.

All parts were disassembled , cleaned and painted , Lycoming gray. The case P/N 72082/1 and Back plated were inspected by Crankcase Services see W/O.17555. The internal steel parts were inspected by Aircraft Specialties Services, see W/O 203507.Crankshaft OVH, S/N 87260-5203507-1. (4)each connecting rods, P/N 78030, S/N S203507-7 OVH. Gear P/N61155, S/OS203507-2 OVH. Lifters (8)each P/N 72877 S/N S20357-4 OVH. New Camshaft kit P/N SL18840kit ,c100074297,th34003. New gaskets P/N SL69371-1 and bearings P/N SL61662A MO6, P/N SL68763A M10. New (4) piston cylinder kit in00stalled P/N 05K21237-A Lycoming see W/O Air Power inc, 195510, New gaskets. Push rods, Rocker arms, Starter ring gear OVH by Teldyne Mattituck Services, inc see W/O 62888. New oil return lines installed . New oil filter kit installed, Carburetor OVH P/N 10-5062 S/N cc-7-1903 see W/O 21461. Engine assembled and overhauled per Lycoming maintenance manual all Ads checked to 2011-6m . Installed on airframe per Cessna maintenance manual. New BARRY mounts installed ,New oil hoses installed , New scat hoses installed, New cowl seal kit installed . (7) qts. PHILLIPS 20W50 wt. oil mineral The engine was ground, idle adjusted and all reading in the normal green range.

GREGG KARP A&P [REDACTED] IA

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

LICENSE
NUMBER

ARTHUR JANANN

1. Approving National Aviation Authority / Country FAA / United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3 AIRWORTHINESS APPROVAL TAG			3. Form Tracking No: AS-203507	
4. Organization AIRCRAFT SPECIALTIES SERVICES, INC. PHONE: [REDACTED] 2860 NORTH SHERIDAN ROAD FAX: [REDACTED] TULSA, OK 74115 FAA REPAIR STATION NO. DD2R764K					5. Work Order/ Contract/Invoice No. 203507	
6. Item:	7. Description:	8. Part Number:	9. Eligibility	10. Quantity	11. Serial/Batch No	12. Status/Work
1.	LYCOMING CRANKSHAFT	0320E2D CRANKSHAFT	N/A	1	87260 S203507-1	OVERHAUL
13. Remarks: MAGNAFLUXED, GROUND RODS M006, MAINS M010, RENITRIDED PER A/C SPEC .0005, CADMIUM PLATED AND BAKED FLANGE REPAIRED OIL SEAL AREA PER LYCOMING SI 1111 INSPECTED AND/OR REPAIRED PER LYCOMING S.B. 475C EXCLUDING PARAGRAPH 6						
14. Certifies the items identified above were manufactured in conformity to ☐ Approved design data and are in a condition for safe operation ☐ Non-approved design data specified in Block 13			19. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
15. Authorized Signature		16. Approval/ Authorization No.		20. Authorized Signature		21. Approval/ Authorization No.
[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
17. Name (Typed or Printed)		18. Date (mm/dd/yyyy)		22. Name (Typed or Printed)		23. Date (mm/dd/yyyy)
[REDACTED]		[REDACTED]		Harold Lehman		12/16/2010
User/Installer Responsibilities It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer work in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in Block 1. Statements in Block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown. FAA Form 8130-3 (6-01) Installer must cross-check eligibility with applicable technical data. NSN: 0052-00-012-9005						

THIS CRANKSHAFT S/N S203507-1
DOES NOT MEET THE REQUIREMENTS
OF LYCOMING S.B. 505.

1. Approving National Aviation Authority / Country FAA / United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3 AIRWORTHINESS APPROVAL TAG			3. Form Tracking No: AS-203507	
4. Organization AIRCRAFT SPECIALTIES SERVICES, INC. PHONE [REDACTED] 2860 NORTH SHERIDAN ROAD FAX [REDACTED] TULSA, OK 74115 FAA REPAIR STATION NO. DD2R764K					5. Work Order/ Contract/Invoice No. 203507	
6. Item:	7. Description:	8. Part Number:	9. Eligibility	10. Quantity	11. Serial/Batch No	12. Status/Work
1.	LYCOMING GEAR	61155 GEAR	N/A	1	S203507-2	OVERHAUL
13. Remarks: INSPECTED AND/OR REPAIRED PER LYCOMING S.B. 475 C EXCLUDING PARAGRAPH 6						
14. Certifies the items identified above were manufactured in conformity to ☐ Approved design data and are in a condition for safe operation ☐ Non-approved design data specified in Block 13			19. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
15. Authorized Signature		16. Approval/ Authorization No.		20. Authorized Signature		21. Approval/ Authorization No.
				[REDACTED]		[REDACTED]
17. Name (Typed or Printed)		18. Date (mm/dd/yyyy)		22. Name (Typed or Printed)		23. Date (mm/dd/yyyy)
				Harold Lehman		12/15/2010
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer work in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in Block 1. Statements in Block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

ENGINE

N/13306 C-172M S/N 62654

ENGINE O-320E2D S/N L-36031-27A

STARTER RING GEAR OVH (NEW GEAR) ⁷²⁵⁶⁶ P/N ~~76678~~
NEW OIL SPRING & BALL (OIL PRESSURE) P/N'S 61084 & 1028B
8 NEW ROCKER SHAFT PLUGS LW-12892
1 CARB OVH P/N 10-5062 S/N CC-7-1903 MARVEL-SHERIER
INTAKE & EXHAUST ROCKER ASSY OVH MATTITUCK
ALL PUSH ROD'S OVH MATTITUCK

CRANKSHAFT OVH P/N O32E2D S/N 87260-5203507-1

(AIRCRAFT SPECIALTIES)

HYDRAULIC UNITS ~~157~~ P/N 78290 S/N BATCH S203507-5
GEAR P/N 61155 S/N S203507-2 OHV

CONNECTING RODS (4) P/N 75030 S/N S203507-7 OHV

~~NEW 4 CYL OHV P/N INTERNAL STEEL S/N BATCH S203507-6~~

CRANKCASE LYC O-320 OHV S/N BATCH ~~M/N~~ M/N 216

CYLINDER RISTON/RING ASSY NEW P/N 05K21237-A

NEW CAM SHAFT ~~P/N~~ P/N 51884-0KITS S/N C100074297

★ TH 34003

See AIRCRAFT SPECIALTIES SERVICES N/O # 203507

P/N MEK77852-KIT INSTALLED OIL FILTER ADAPTER KIT P/N ~~1552~~ ^{MATTITUCK} KIT

4 NEW ENGINE SHOCK MOUNTS ^{P/N} S1115-29 BARRY

ALTERNATOR BELT NEW P/N S1597-1-37.5

ALL NEW ROCKER ARM PINS, OIL DRAIN LINES, EXT GASKETS,
& ROCKER ARM BUSHINGS

4 NEW CYLINDER ASSY P/N KIT 05K21237-A

4 NEW INTAKE HOSE TUBE'S

ORIGINAL

F.A.A. Repair Station No. DD2R764K

WORK ORDER NO.

203507

**AIRCRAFT
SPECIALTIES
SERVICES**

QUAN.	PART NO. & DESCRIPTION	S/N
1	0320E2D CRANKSHAFT	S203507-1
1	61155 GEAR	S203507-2
4	78030 RODS	S203507-3
7	72877 LIFTERS	S203507-4
1	72877 LIFTERS	S203507-4*
8	78290 HYD. UNITS	S203507-5
1	LYCOMING INT STEEL	S203507-6
4	78030 RODS	S203507-7

NAME ARTHUR JOHANN			
ADDRESS [REDACTED]		DATE IN 11/18/2010	DATE SHIPPED 12/16/2010
CITY BAYPORT		STATE NY 11705-1309	
PHONE [REDACTED]	P.O. VERBAL	SHIP VIA UPS GROUND	TERMS: MASTERCARD

	PART NO. & DESCRIPTION	PRICE	TOTAL
1	SL-STD-1211-PLUG	2.34	2.34
	Less 15%		(0.35)

ITEM NO.	QUAN.	WORK DESCRIPTION	UNIT PRICE	TOTAL
1	1EA	LYCOMING CRANKSHAFT *MAG. INSP. GROUND RODS M006, MAINS M010, RENIT., CAD. PLATE & BAKE FLANGE	425.00	425.00
		*REPAIRED OIL SEAL AREA PER LYC SI 1111	75.00	75.00
		*INSPECTED AND/OR REPAIRED PER LYC. S.B. 475C EXCLUDING PARAGRAPH 6	n/c	n/c
		*INSPECT. BUT DOES NOT MEET THE REQUIRE MENTS OF SB 505B OR LATEST REVISION.	45.00	45.00
2	1EA	LYCOMING GEAR *INSPECTED AND REPAIRED PER LYC. S.B. 475C EXCLUDING PARAGRAPH 6	75.00	75.00
3	4EA	LYCOMING CONNECTING RODS *RODS REJECTED	n/c	n/c
4	7EA	LYCOMING LIFTERS *WE PURCHASED 72877 LIFTERS	-3.00	-21.00

Page: 1

CONTINUED....

Remit to: Aircraft Specialties Services, Inc.
Tulsa International AirportTulsa, Oklahoma 74158
(918) 836-6872 • 1-800-826-9252 • FAX (918) 836-4419TOTAL LABOR
TOTAL PARTS
FREIGHT
TAX

TOTAL

AL

NO. & DESCRIPTION

S/N

F.A.A. Repair Station No. DD2R764K

WORK ORDER NO.

203507

**AIRCRAFT
SPECIALTIES
SERVICES**

NAME ARTHUR JOHANN			
ADDRESS [REDACTED]	DATE IN 11/18/2010	DATE SHIPPED 12/16/2010	
CITY BAYPORT	STATE NY 11705-1309		
PHONE [REDACTED]	P.O. VERBAL	SHIP VIA UPS GROUND	TERMS: MASTERCARD

ITEM NO.	QUAN.	WORK DESCRIPTION	UNIT PRICE	TOTAL
5	1EA	LYCOMING LIFTER *LIFTER - REJECTED	n/c	n/c
6	8EA	LYCOMING HYDRAULIC UNITS *CLEANED, INSPECTED, O/H I/A/W AIRCRAFT SPECIALTIES PROCEDURE 99-001	21.00	168.00
7	1LT	4 CYL. INTERNAL STEEL *4 CYL. INT. STEEL - MAGNAFLUXED IN ACC. WITH OVERHAUL MANUAL	65.00	65.00
8	4EA	LYCOMING CONNECTING RODS *CERTIFIED ROD PURCHASED	155.00	620.00

PART NO. & DESCRIPTION

PRICE

TOTAL

THANK YOU FOR YOUR BUSINESS !

Remit to: Aircraft Specialties Services, Inc.
Tulsa International Airport
2860 North Sheridan Road
P.O. Box 582553
Tulsa, Oklahoma 74158
(918) 836-6872 • 1-800-826-9252 • FAX (918) 836-4419

TOTAL LABOR
TOTAL PARTS
FREIGHT
TAX

TOTAL

**AIRCRAFT
SPECIALTIES
SERVICES**

INVOICE NO:

INVOICE DATE: 12/16/2010

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[REDACTED]
ARTHUR JOHANN
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BAYPORT, NY 11705-1309

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ARTHUR JOHANN
[REDACTED]
BAYPORT, NY 11705-1309

Sales Person: Tommy McDonough

S.O. #

SHIP DATE: 12/16/2010

SHIP VIA: W/SHOP

P.O. #

TERMS: C.O.D.

ORDER QUAN.	SHIP QUAN.	B/O QUAN.	PART NUMBER & DESCRIPTION	LIST	UNIT PRICE	TOTAL
8	8		AEL12186 /NUT 010510	3.21	2.11	16.88
8	8		AEL78027 /ROD BOLT 122809	26.80	17.69	141.52
1	1		AEL78528 /OIL PUMP HOUSING 46880	120.24	82.66	82.66
4	4		SL-STD-2180 /HOSE H10075673	3.00	1.88	7.52
1	1		SL-STD-2213 /SCREW K100076310	15.32	9.58	9.58
1	1		SL18109A-S /IMPELLER KIT H100075661	234.94	140.96	140.96
1	1		SL18840KIT /CAMSHAFT KIT C100074297, TH34003	1523.84	1023.36	1023.36
8	8		SL61662A M06 /BEARING D050010100	23.98	14.99	119.92
8	8		SL68763A M10 /BEARING A100073644	60.08	37.55	300.40
1	1		SL69371-1 /GASKET SET MAJOR OVER K100076359	234.98	140.99	140.99
4	4		SL69603 /INDUCTION HOSE H100075721	4.86	3.04	12.16

Remit to:

Aircraft Specialties Services, Inc.
Tulsa International Airport
2860 North Sheridan Road
P.O. Box 582553
Tulsa, Oklahoma 74158

TOTAL PARTS:

FREIGHT &
HANDLING:

TAX:

TOTAL:

CONTINUED...

(918) 836-6872 • 1-800-826-9252 • FAX (918) 836-4419

Products sold by Aircraft Specialties Services, Inc. are subject to the terms of any and all original manufacturer's warranty (warranties) that may apply. Aircraft Specialties Services, Inc. provides no warranties regarding such products, including merchantability, fitness for a particular purpose or eligibility. Please consult the manufacturer for support questions.

**AIRCRAFT
SPECIALTIES
SERVICES**

INVOICE NO: 110677
INVOICE DATE: 12/16/2010

ORIGINAL

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[REDACTED]
ARTHUR JOHANN
[REDACTED]
BAYPORT, NY 11705-1309

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ARTHUR JOHANN
[REDACTED]
BAYPORT, NY 11705-1309

Sales Person: Tommy McDonough

S.O. # 101154

SHIP DATE: 12/16/2010

SHIP VIA: W/SHOP

P.O. # 203507

TERMS: C.O.D.

ORDER QUAN.	SHIP QUAN.	B/O QUAN.	PART NUMBER & DESCRIPTION	LIST	UNIT PRICE	TOTAL
1	1		SL72566 /RING GEAR (360) 149 T G100075262	137.60	86.00	86.00

THANK YOU FOR YOUR BUSINESS !
RETURNS MAY BE SUBJECT TO RESTOCKING FEE
PARTS ELIGIBILITY TO BE VERIFIED BY INSTALLER

Remit to:

Aircraft Specialties Services, Inc.
Tulsa International Airport
2860 North Sheridan Road
P.O. Box 582553
Tulsa, Oklahoma 74158

TOTAL PARTS:

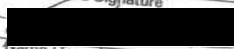
FREIGHT &
HANDLING:

TAX:

TOTAL:

(918) 836-6872 • 1-800-826-9252 • FAX (918) 836-4419

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1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG PRODUCTION CERTIFICATE #3				3. Form Tracking Number MS-383661	
4. Organization Name and Address: LYCOMING ENGINES 652 OLIVER STREET WILLIAMSPORT, PA 17701				5. Work Order, Contract or Invoice Number: 109244/2212955			
6. Item	7. Description	8. Part Number	9. Eligibility*	10. Qty	11. Serial/Batch No.	12. Status/Work	
14.1	KIT-CYL PISTON/RING ASSY	05K21237-A	N/A	00008	N/A	NEW	
13. Remarks AIRWORTHINESS APPROVAL PARTS-FOR DOMESTIC SHIPMENTS ONLY TELEDYNE MATTITUCK SERVICES United States							
14. Certifies the items identified above were manufactured in conformity to: ☒ Approved design data and are in condition for safe operation. ☐ Non-approved design data specified in Block 13.							
15. Authorized Signature 		19. ☒ 14CFR 43.9 Return to Service ☐ Other regulation in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in block 14 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, Part 43. In respect to that work, the items are approved for return to service		20. Authorized Signature 		21. Approval/Part Number:	
17. Name (Typed or Printed): F. H. HILL JR		18. Date(m-d-y): SEP-29-2010		22. Name (Typed or Printed):		23. Date(m-d-y):	
User/Installer Responsibilities It is important to understand that the existence of this document alone does not automatically constitute authority to install part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown. *Installer must cross check eligibility with applicable technical data.							

6-15-2013

Notes

Note Carried over from Engine Log ~~#2~~ #2

A5 TOTAL TIME 4522.3 hrs

PROP TT 4522.3 hrs

ENGINE SFOH 76.5 hrs

TRACK TIME 1834 hrs.

L-16

and Alterations icate Number of specific entries.)	YEAR 2016 DATE	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 Technician or Repair Facility. (See back pages for other specific entries.)
to, Compression oil oil oil checked oil OK, you unworthy	2/23	1,972.0	SMCH	183.5	Replaced R/H Magnets with OH unit See Mid Island Air Service info nearby Log. [redacted] AHP [redacted] Replaced Prop oil seal by Mid Island See nearby Log. for details [redacted] AHP [redacted] Crankshaft seal LW13792
Log	4/15/2016				100 hr inspection completed this date as per manufacturers recommendations. all inspection holes opened and lubed all pulleys, bellcranks & anything that needs lubr. Cables, inspected for breaks etc. Vacuumed interior of Cockpit. Inspected under- neath Cock pit for accurately condition of aircraft engine [redacted] AHP [redacted] See previous page for Compression reading Engine controls A-OK lubed [redacted] AHP [redacted]
			6/5/17	183.5 +	33 = 2016.5 SMCH [redacted] AHP [redacted]

TT in Ser