

THE **adlog**<sup>TM</sup> AIRCRAFT  
MAINTENANCE  
RECORDKEEPING  
SYSTEM

N8140V  
LOG BOOK #2

**ENGINE  
MAINTENANCE  
RECORDS**



# ENGINE MAINTENANCE RECORDS

Log No. \_\_\_\_\_

Aircraft Registration No. \_\_\_\_\_

Engine Manufacturer Continental

Model IO-550-N

Serial No. 913904

Date installed on aircraft \_\_\_\_\_

Time Between Overhauls (TBO) 2000 Hours

If used on multi-engine aircraft:

☐ Right

☐ Left

☒ Front

☐ Rear



(All applicable information must be filled in)

**AEROTECH PUBLICATIONS INC.**

P.O. Box 1359 / Southold, NY 11971-0965

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FAX: (631) 765-9359

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DESCRIPTION OF WORK PERFORMED —  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	
				<b>TOTALS</b> brought forward from previous page

**CONTINENTAL IO-550-N**

S/n 913904

**0 HOURS SINCE MAJOR OVERHAUL**

Disassembled, cleaned, and inspected engine for Major Overhaul under **work order F232**. The VAR crankshaft S/n N03EA299 was reconditioned to new limit M10 mains, STD rods by Aircraft Specialties under work order 235130. The crankcase S/n R03CA140 was cleaned, Zyglo, visually and dimensionally inspected and certified. The connecting rods were cleaned, Magnafluxed, re-bushed and line bored certified. The camshaft was replaced with an overhauled unit by Aircraft Specialties under work order 233462. The Lifters were replaced with new Superior Air-parts units. The rocker arms were Magnafluxed, re-bushed and bored. The cylinders were replaced with Factory Continental New units. The engine was reassembled in accordance with **TELEDYNE CONTINENTAL MOTORS INSTRUCTIONS AND TABLES OF LIMITS**. The following parts were replaced with new at Major Overhaul.

12ea. SA642398 STD Connecting Rod Bearing

12ea. 655958 Connecting Rod Bolt

12ea. 654490 Connecting Rod Bolt

16ea. 643629 Counterweight Plate

16ea. 629104 Counterweight Cir-clip

16ea. 639193 Counterweight Bushing

12ea. RG632459-S Rocker Cover Gasket

24ea. 537750 Rocker Retention Bolt

24ea. 501868 Lock Tab

12ea. SA631815 Rocker Shaft

1ea. 642085A2 M30 Overhauled Starter Clutch Assembly

6ea. 658595A2 Factory New Cylinder Assembly

S/n's AC15JB090, AC15JA866, AC15JA512, AC15JA533, AC15JB125, AC15JA850

1ea. SA646592A2 M10 Main Bearing Set

1ea. 630899 Needle Bearing

8ea. 350998 Crank Bushing

1ea. MS35756-8 Woodruff Key

4ea. 649205 Bolt

6ea. SA628488 Lifter

1ea. 654084 Overhauled Camshaft

2ea. 531178 Magneto Retainer

4ea. 643626-105 Roller

2ea. 643626-104 Roller

1ea. 629680 M10 Transfer Collar

6ea. SA536379 Crank Bolt

1ea. EQ7191 Gasket Kit

1ea. 641250 Nose Seal

2ea. 641909 Lock Plate

4ea. 655269 Cushion

6ea. SA646277 Lifter

6ea. 530658 Bushing

4ea. 654587.44 Bolt

6ea. 646985 Seal

1ea. 653359 Coupling

2ea. 643626-103 Roller

THIS ENGINE WAS OVERHAULED TO 0 Hours Since Major Overhaul

-All pertinent details on file at Corona Aircraft Engines Inc. under **WORK ORDER F232**

Signed

April 14, 2016

FAA REPAIR STATION O9VR726Y

Corona Aircraft Engines, Inc. 1965 Aviation Drive Corona, CA 92880

**ACCESSORY LISTING**

ITEM	PART#	S/N
MAGNETO	10-500556-1	D03GA219
MAGNETO	10-500556-1	D03GA249
THROTTLE BODY	653353-8A1	A03DA040
FUEL PUMP	655921-1A5	B03GA248
FLOW DIVIDER	646433-9A1	C03GA240
OIL COOLER	654585	B00-3337-179
STARTER	ES646275-1	H-Q031741
HARNESS	KA11730	N/A
SPARK PLUGS	URHB32E	N/A
OIL FILTER	AA48108-2	N/A

These Overhauled or New Accessories were supplied with engine at overhaul.

Model: IO-550-N (27)

S/N: 913904

W/O: F232

Corona Aircraft Engines Inc.

Authorized Signature

F.A.A. Repair Station O9VR726Y

SUB-TOTALS this page

TOTALS-Carry forward to next page



DATE

TOTAL  
TIME  
IN  
SERVICETOTAL  
TIME  
SINCE  
OVERHAULTACH OR  
RECORDING  
METER  
TIMEDESCRIPTION OF WORK PERFORMED—  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORKENGINE MODEL:  
IO-550-N  
ENGINE S/N: 913904  
REG. NO: N8140V  
WORK ORDER: 00001622**TDL Aero Enterprises**44 MACREADY DRIVE  
Merced, CA 95340  
Phone: 209-722-7300DATE: 8/31/2016  
A/C TSN: 2273.1  
ENG TT: 2273.1  
TSMOH: 0.1  
HOBBS: 2273.1**Engine Entries**

Remove and replace ~~new~~ engine with Overhauled IO550-N, Engine by Corona Engines WO F232 , including Alternator, Removed and Replaced with new Engine hoses, Engine mounts, and All new SCAT/SKEET ducting.... Removed and Replaced exhaust system overhauled by Knisely Welding WO 154004... Replace ALT #2 with new

I certify this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition

DATE: 8/31/2016

SIGNED

Tom Lopes, IA: 572492099

Work Order: 00001622

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1 of 1

ENGINE MODEL:  
IO-550-N  
ENGINE S/N: 913904  
REG. NO: N8140V  
WORK ORDER: 00001745**TDL Aero Enterprises**44 MACREADY DRIVE  
Merced, CA 95340  
Phone: 209-722-7300DATE: 9/9/2016  
A/C TSN: 2245.3  
ENG TT: 2245.3  
TSMOH: 25  
HOBBS: 2245.3**Engine Entries**

Oil change and checked engine installation IAW Cirrus 25 hour interval item per CDC check list, 05-20.001 engine, oil drained and serviced with 8 qts Aeroshell 100W, filter inspected and replaced with new filter CH48108, AOA sample taken, run up leak checks completed ok

Maintenance Release: The aircraft and/or component(s) on N8140V was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.

DATE: 9/9/2016

SIGNED

Tom Lopes, A&amp;P: 572492099

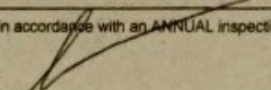
Work Order: 00001745

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1 of 1

Airframe  
8-31-2016  
Rik Eng  
2273.1



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
<b>TOTALS</b> brought forward from previous page				
<div style="display: flex; justify-content: space-between;"> <div> <p><b>ENGINE MODEL:</b> IO-550-N <b>ENGINE S/N:</b> 913904 <b>REG. NO:</b> N8140V <b>WORK ORDER:</b> 00001888</p> </div> <div> <p><b>TDL Aero Enterprises</b> Repair Station No. 7TLR012B 44 MACREADY DRIVE Merced, CA 95340 Phone: 209-722-7300</p> </div> <div> <p><b>DATE:</b> 1/1/2018 <b>A/C TSN:</b> 2284.1 <b>ENG TT:</b> 2284.1 <b>TSMOH:</b> 83.8 <b>TACH:</b> 63.8</p> </div> </div> <p><b>Engine Entries</b></p> <p>ANNUAL CIRRUS ENGINE: Complied with an Annual inspection, Using Cirrus design AMM 5-20, Removed cowlings, performed run up, drained oil took AOA sample and sent out for analysis, removed oil filter, cut open to check for debris, none noted, Serviced engine 8qts. Aero shell 100W, Installed new CH48108 oil filter and safety tied, performed compression checks, (1) 73/80 (2) 72/80 (3) 72/80 (4) 72/80 (5) 74/80 (6) 73/80, Plugs cleaned and gap checked, Mag timing checked, performed run up leak check, no leaks noted at this time, reinstalled cowlings.... Installed RTV to prevent chaffing on #3 fuel line... Installed RTV to prevent further chaffing on tension harness</p> <p>I certify this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition</p> <div style="display: flex; justify-content: space-between;"> <p><b>DATE:</b> 1/1/2018</p> <p><b>SIGNED:</b> </p> <p><b>Work Order:</b> 00001888</p> </div> <div style="display: flex; justify-content: space-between;"> <p>Tom Lopes Certified Repair Station No. 7TLR012B</p> <p>Printed by EBis 3 (datocmedia.com)</p> </div>				

1 of 1

N61SA STEEL AVIATION INC  
ENGINE LOG

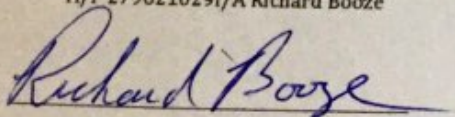
DATE 5/03/2019  
MAKE Cirrus  
Model SR22  
S/N 0617

Hobbs 2362.2  
TACH N/A  
SMOH 95

1. C/W 100 hours / ANNUAL INSPECTION in accordance with FAR 43 APENDIX D, Using Cirrus AMM as a guide.
2. Removed ,cut open oil filter and inspected, no defects noted. Installed new oil filter P/N AA48108-2. Serviced engine with 8 QT of 20/50 Phillips.
3. Checked compression #1 70 #3 70 # 5 72 #2 72 6 #4 72 #6 64 over 80. M.O 43
4. R&R new BA-24

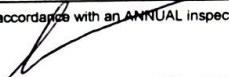
I certify that this engine has been inspected in accordance with (annual) inspection and was determined to be in airworthy condition.

A/P 2796210291/A Richard Booze



3-TOTALS this page

TOTALS-Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
<b>TOTALS</b> brought forward from previous page				
				<p><b>ENGINE MODEL:</b> 10-550-N <b>ENGINE S/N:</b> 913904 <b>REG. NO.:</b> N8140V <b>WORK ORDER:</b> 00001888</p> <p><b>TDL Aero Enterprises</b> Repair Station No. 7TLR012B 44 MACREADY DRIVE Merced, CA 95340 Phone: 209-722-7300</p> <p style="text-align: right;">DATE: 1/1/2018 A/C TSN: 2284 1 ENG TT: 2284 1 TSMOH: 63.8 TACH: 63.8</p> <p><b>Engine Entries</b> ANNUAL CIRRUSS ENGINE: Complied with an Annual inspection, Using Cirrus design AMM 5-20. Removed cowlings, performed run up, drained oil took AOA sample and sent out for analysis, removed oil filter, cut open to check for debris, none noted, Serviced engine 8qts. Aero shell 100W, Installed new CH48108 oil filter and safety tied, performed compression checks, (1) 73/80 (2) 72/80 (3) 72/80 (4) 72/80 (5) 74/80 (6) 73/80, Plugs cleaned and gap checked, Mag timing checked, performed run up leak check, no leaks noted at this time, reinstalled cowlings.... Installed RTV to prevent chaffing on #3 fuel line... Installed RTV to prevent further chaffing on tension harness</p> <p>I certify this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition</p> <p>DATE: 1/1/2018      SIGNED:       Work Order: 00001888</p> <p style="text-align: center;">Tom Lopes Certified Repair Station No. 7TLR012B</p> <p style="text-align: right;">Printed by EBis 3 (datcomedia.com)</p>
1 of 1				

N61SA STEEL AVIATION INC  
ENGINE LOG

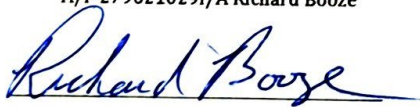
DATE 5/03/2019  
MAKE Cirrus  
Model SR22  
S/N 0617

Hobbs 2362.2  
TACH N/A  
SMOH 95

- 1.C/W 100 hours / ANNUAL INSPECTION in accordance with FAR 43 APENDIX D, Using Cirrus AMM as a guide.
- 2.Removed, cut open oil filter and inspected, no defects noted. Installed new oil filter P/N AA48108-2. Serviced engine with 8 QT of 20/50 Phillips.
3. Checked compression #1 70 #3 70 # 5 72 #2 72 6 #4 72 #6 64 over 80. M.O 43
4. R&R new BA-24

I certify that this engine has been inspected in accordance with (annual) inspection and was determined to be in airworthy condition.

A/P 2796210291/A Richard Booze



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**TOTALS**-Carry forward to next page



DATE

TOTAL  
TIME  
IN  
SERVICETOTAL  
TIME  
SINCE  
OVERHAULTACH OR  
RECORDING  
METER  
TIMEDESCRIPTION OF WORK PERFORMED—  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

ENGINE MODEL: IO-550-N  
ENGINE S/N: 913904  
REG. NO. N61SA  
WORK ORDER:  
5444-07-2020

**Classic Aviation, Inc.**

501 W 15th St  
Pella, IA 50219  
Phone: 641-628-9393

DATE: 7/17/2020  
A/C TSN: 2379.3  
ENG TT: 2379.3  
TSMOH: 106.2  
HOBBS: 2379.3

**Engine Entries**

(2) Annual Inspection. Compression check #1 68/80, #2 75/80, #3 71/80, #4 69/80, #5 74/80, #6 67/80. Checked magneto to engine timing. Inspected intake and exhaust systems. Cleaned all fuel injectors and reinstalled with new seals. Cleaned, gapped and rotated spark plugs and reinstalled with new M-674 gaskets. Adjusted fuel injection system in accordance with Continental IO550N Maintenance and Overhaul Manual M-16 Chapter 6 and Continental Standard Practice Maintenance Manual Chapter 6. Checked all applicable AD's and updated list in aircraft records.... (4) Changed oil and filter with new CH48108-1 filter and 7 qts Phillips X/C 20/50 oil. Took oil sample. Cut open old filter to check for contaminants, none found. Ran engine to check for leaks, no leaks noted at this time.

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

DATE: 7/17/2020

SIGNED:

Wm. Haven Hick, IA: 3428785

Work Order: 5444-07-2020

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ENGINE MODEL: IO-550-N  
ENGINE S/N: 913904  
REG. NO. N61SA  
WORK ORDER:  
5963-06-2021

**Classic Aviation, Inc.**

501 W 15th St  
Pella, IA 50219  
Phone: 641-628-9393

DATE: 6/18/2021  
A/C TSN: 2435  
ENG TT: 2435  
TSMOH: 161.9  
HOBBS: 2435

**Engine Entries**

(1) Changed oil and filter with new CH48108-1 filter and 7 qts Phillips X/C 20/50 oil. Took oil sample. Cut open old filter to check for contaminants, none found. Ran engine to check for leaks, no leaks noted at this time.

DATE: 6/18/2021

SIGNED:

Kevin Creamer, A&amp;P: 4340508

Work Order: 5963-06-2021

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ENGINE MODEL: IO-550-N  
ENGINE S/N: 913904  
REG. NO. N61SA  
WORK ORDER:  
6027-07-2021

**Classic Aviation, Inc.**

501 W 15th St  
Pella, IA 50219  
Phone: 641-628-9393

DATE: 8/5/2021  
A/C TSN: 2464.7  
ENG TT: 2464.7  
TSMOH: 191.6  
HOBBS: 2464.7

**Engine Entries**

(2) Annual Inspection. Compression check #1 70/80, #2 69/80, #3 69/80, #4 68/80, #5 71/80, #6 61/80. Checked magneto to engine timing. Inspected intake and exhaust systems. Cleaned all fuel injectors and reinstalled with new seals. Cleaned, gapped and rotated spark plugs and reinstalled with new M-674 gaskets. Adjusted fuel injection system in accordance with Continental IO550N Maintenance and Overhaul Manual M-16 Chapter 6 and Continental Standard Practice Maintenance Manual Chapter 6. Checked all applicable AD's and updated list in aircraft records.... (4) Changed oil and filter with new CH48108-1 filter and 7 qts Phillips X/C 20/50 oil. Took oil sample. Cut open old filter to check for contaminants, none found. Ran engine to check for leaks, no leaks noted at this time.

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

DATE: 8/5/2021

SIGNED:

Wm. Haven Hick, IA: 3428785

Work Order: 6027-07-2021

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ENGINE MODEL: IO-550-N  
ENGINE S/N: 913904  
REG. NO. N61SA  
WORK ORDER:  
6659-09-2022

**Classic Aviation, Inc.**

501 W 15th St  
Pella, IA 50219  
Phone: 641-628-9393

DATE: 11/10/2022  
A/C TSN: 2603.1  
ENG TT: 2603.1  
TSMOH: 330  
HOBBS: 2603.1

**Engine Entries**

(2) Annual Inspection. Compression check #1 68/80, #2 65/80, #3 71/80, #4 69/80, #5 70/80, #6 68/80. Checked magneto to engine timing. Inspected intake and exhaust systems. Cleaned all fuel injectors and reinstalled with new seals. Cleaned, gapped and rotated spark plugs and reinstalled with new M-674 gaskets. Adjusted fuel injection system in accordance with Continental IO550N Maintenance and Overhaul Manual M-16 Chapter 6 and Continental Standard Practice Maintenance Manual Chapter 6. Checked all applicable AD's and updated list in aircraft records.... (4) Changed oil and filter with new AA48109 filter and 7 qts Phillips X/C 20W-50 oil. Took oil sample. Cut open old filter to check for contaminants, none found. Ran engine to check for leaks, no leaks noted at this time.... (12) Adjusted both left and right magnetos to 22 degrees BTDC.

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

DATE: 11/10/2022




SIGNED:


Wm. Haven Hick, IA: 3428785

Work Order: 6659-09-2022

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REG. NO.: N61SA MAKE: CONT MOTOR MODEL: IO-550-N S/N: 913904	 <b>Engine</b> <b>Tennessee Aircraft Services, Inc.</b> 2313 Technology Center Drive Jackson, TN 38301 731-424-7227	 <b>CIRRUS</b> PARTNER	DATE: April 20, 2023 Engine SOH: 378.3 HOBBS: 2651.4
Drained oil and and took sample for analysis. Cut open old filter with no discrepancies noted. Installed new filter and serviced engine with oil and Camguard. Ground run satisfactory. (8) P/N Phillips XC 20W50 - Oil, P/N Oil Analysis Kit - Oil Analysis Kit, P/N AA48108-2 - Filter, P/N CamGuard - OIL ADDITIVE.			
Signed: 		Work Order: 9062	
Sides, Blake, A&P IA: 3716170			

REG. NO.: N61SA MAKE: CONT MOTOR MODEL: IO-550-N S/N: 913904	 <b>Engine</b> <b>Tennessee Aircraft Services, Inc.</b> 2313 Technology Center Drive Jackson, TN 38301 731-424-7227	 <b>CIRRUS</b> PARTNER	DATE: June 08, 2023 Engine SOH: 430.7 HOBBS: 2703.8
Drained oil and took sample for analysis. Cut open filter with no discrepancies noted. Serviced engine with oil and Camguard. Ground run satisfactory. (8) P/N Phillips XC 20W50 - Oil, P/N Oil Analysis Kit, P/N AA48108-2 - Filter, P/N CamGuard - OIL ADDITIVE.			
Signed: 		Work Order: 9080	
Sides, Blake, A&P IA: 3716170			

Put sticker in  
Airframe log by accident  
Page 25

Tennessee Aircraft Services  
Oil change

Date: Sept 20, 23  
HOBBS: 2752.6

REG. NO.: N61SA MAKE: CONT MOTOR MODEL: IO-550-N S/N: 913904	 <b>Engine</b> <b>Tennessee Aircraft Services, Inc.</b> 2313 Technology Center Drive Jackson, TN 38301 731-424-7227	 <b>CIRRUS</b> PARTNER	DATE: March 1, 2024 Engine TT: 2766.2 Engine SOH: 493.1 HOBBS: 2766.2
<ol style="list-style-type: none"> <li>1. Performed 100 hour inspection with reference to FAA CRS 43 Appendix D.</li> <li>2. Drained engine oil and took sample for analysis. Removed oil filter and opened for inspection with no discrepancies noted. Installed new filter and serviced engine with oil. Engine ground check run satisfactory. (8) P/N Phillips XC 20W50 - Oil, P/N AA48108-2 - Filter, P/N Oil Analysis Kit - Blackstone.</li> <li>3. Compressions: 1- 56/80, 2-32/80, 3-61/80, 4-60/80, 5-64/80 &amp; 6-61/80. Master orifice 45/80.</li> <li>4. Performed engine cylinder borescope inspection with no discrepancies noted.</li> <li>5. Exhaust system pressure tested and inspected with no discrepancies noted.</li> <li>6. Spark plugs removed, cleaned, inspected, gapped, resistance check, ops checked and reinstalled with new gaskets. (12) P/N AN4027-1 - washer.</li> <li>7. Installed twelve new rocker gaskets in accordance with SIL 21-04B. (12) P/N 668893 - rocker cover gasket.</li> <li>8. Installed new left magneto gasket and timed per Continental Maintenance Manual M-0 Chapter 6-9.1.2. P/N 649954 - gasket, magneto, P/N 649950 - gasket alt p/n 630824.</li> <li>9. Torqued the forward upper half of accessible backbone bolts up to the induction manifold in accordance with the Continental Maintenance Manual M-0 Appendix B table B-2.</li> <li>10. Cylinder #2 inspected in accordance with Continental Maintenance Manual M-0 Chapter 6-4.11.2. Due to compressions below master orifice but good borescope inspection results per 6-4-11-3, recommend following Continental guidance in Table 6-21 and note 1 to fly and recheck.</li> <li>11. Installed all new wiring on J950 from the jack to the EGT and CHT connections in accordance with Cirrus SR22 Aircraft Wiring Manual Chapter 77-00-01 Figure 1. (12) P/N Probe Screw Pack - EGT/CHT probe screws, (17) P/N AWG20 Type K Thermocouple wire - AWG20 Type K Thermocouple wire, (6) P/N HML-8 - Solder sleeve W/22 Wire, (18) P/N M39029/4-110 - Connectors, (12) P/N 36152 - Ring Terminal, Insulated 22/16 AWG #6 Red, P/N MS21919-WDG17 - Clamp.</li> <li>12. Adjusted idle RPM to reduce by 1/4 of a turn.</li> </ol> Work performed by Steve Hooten, Doug Kail, and Rukang Chikomb			
Signed: 		Work Order: 9190	
Hooten, Steven, A&P IA: 3531330			

TOTALS-Carry forward to next page