

RAM AIRCRAFT
The Engine Specialist
FOR CESSNA, BEECHCRAFT, & CIRRUS AIRCRAFT



INSPECTION

SALES

ENGINE MAINTENANCE RECORDS

Aircraft Registration N6731Z
Engine Position Left
Engine Serial No. 5085196



ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. N 6731Z

Engine Manufacturer Continental

Model T310-520-WE

Serial No. 508518

Date installed on aircraft _____

Time Between Overhauls (TBO) 1600 Hours

If used on multi-engine aircraft:

Right

Left

Waco Regional Airport • P.O. Box 5219 • Waco, Texas 76708
Phone: (254) 752-8381 Fax: 254-752-3307
www.ramaircraft.com

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATION NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page



Lloyd's AIRCRAFT MAINTENANCE, INC.
 (661) 393-1588 Fax (661) 393-2502

N 6731Z
 Hobbs: 46.10
 Eng. TT: 4396.80
 Eng. TSO: 0.00
 Engine S/N: 508518
 Date: 2/18/2016

Work Accomplished

Left Engine -

-- Discrepancy -- Annual inspection due.
 Completed an annual inspection this date in accordance with F.A.R. 43 appendix d.
 -- Discrepancy -- Install new RAM overhauled engine.
 Installed overhauled RAM TSIO-520-WB engine, Left S/N - 508518, ETT - 4396.8, TSO - 0.0.
 -- Discrepancy -- Exhaust system due overhaul.
 Left and right exhaust systems overhauled by Krisley Welding Inc. Exhaust reinstalled on engines with new gaskets and clamps.
 -- Discrepancy -- Left and right throttle body drain pans cracked.
 Left and right throttle body drain pans repaired by Massey Aircraft Service. Ground run, leak check and flight test satisfactory. This engine is approved for return to service with respect to the work performed.

[Signature]
 Mark W Wiebe AP551868073IA



Lloyd's AIRCRAFT MAINTENANCE, INC.
 (661) 393-1588 Fax (661) 393-2502

N 6731Z
 Hobbs: 57.90
 Eng. TT: 4408.60
 ETSO: 11.80
 Engine S/N: 508518
 Date: 3/15/2016

Work Accomplished

Left Engine -

-- Discrepancy -- Oil change due.
 Drained oil and installed new filter P/N CH48108-1. Cut open filter and inspected for metal contamination. No visible metal found at this time. Serviced engine with 11 quarts Aero Shell 50W100 Plus. Washed engine and cowl. Ground run and leak check good.
 -- Discrepancy -- Oil sample due.
 Oil sample taken and sent to A.O.A. for analysis. This engine is approved for return to service with respect to the work performed.

Aurelio Flores AP3544096 *[Signature]*

6-17-16				DRAINED OIL AND INSTALLED NEW
Hobbs	84.2			FILTER #CH48108-1. CHECKED
TT	4434.9			FILTER FOR METAL. NONE FOUND
TTSO	38.1			AT THIS TIME. SERVICED ENGINE
				WITH 11 QUARTS AERO SHELL
				W100 PLUS. GROUND RUN & LEAK
				CHECK GOOD. THIS ENGINE IS
				APPROVED FOR RETURN TO SERVICE.
				Robert Jackson A/E 2121397
				SUB-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 & CERTIFICATION NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
7-29-16				DRAINED OIL AND INSTALLED NEW FILTER #CH48108-1 checked FILTER FOR METAL. NONE FOUND AT THIS TIME. SERVICED ENGINE WITH 11 QUARTS AERO shell W100 PLUS. GROUND RUN & LEAK check GOOD. THIS ENGINE IS APPROVED FOR RETURN TO SERVICE. Robert Jackson A+P 2121397
Hobbs	108.6			
TT	4459.3			
TTSO	62.5			
9-15-16				DRAINED OIL AND INSTALLED NEW FILTER #CH48108-1, checked FILTER FOR METAL. NONE FOUND AT THIS TIME. SERVICED ENGINE WITH 11 QUARTS AERO shell W100 PLUS. WASHED ENGINE & GROUND RUN. NO LEAKS FOUND checks all GOOD. THIS ENGINE IS APPROVED FOR RETURN TO SERVICE. Robert Jackson A+P 2121397
Hobbs	134.1			
TT	4484.8			
TTSO	88.0			
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVRHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATION NO. OF PERSON PERFORMING WORK
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Loyd's AIRCRAFT MAINTENANCE, INC.
(661) 393-1588 Fax (661) 393-2502

N 6731Z
AFTT: 3459.50
Hobbs: 334.30
Eng. TT: 4685.00
Engine S/N: 508518
Date: 3/16/2018

Work Accomplished

Left Engine -

Discrepancy:
Annual inspection due.
Resolution:
Completed an annual inspection this date in accordance with F.A.R. 43 Appendix D, Textron/ Beechcraft Baron 58P, Annual/100 Inspection Guide 102-590000-5, A25, 01 JUN 2002.
Performed compression check with the following results:
Left: #1 - 78/80, #2 - 75/80, #3 - 78/80, #4 - 75/80, #5 - 75/80, #6 - 72/80.

Discrepancy:
Left engine fuel distribution valve fuel stained.
Resolution:
Valve removed and repaired by LyCon Rebuilding. Unit reinstalled on engine. (Repair supplied by owner / operator).

I certify that a Annual 100 HR Inspection was performed on the above engine, in accordance with FAR 43, Appendix D, and Textron/ Beechcraft Baron 58P, Annual/100 Inspection Guide 102-590000-5, A25, 01 JUN 2002.
This engine is approved for return to service with respect to the work performed.

Mark W Wiebe
Mark W Wiebe AP5618680731A



Loyd's AIRCRAFT MAINTENANCE, INC.
(661) 393-1588 Fax (661) 393-2502

SO# 19706

N 6731Z
AFTT: 3595.80
Hobbs: 470.60
Eng. TT: 4821.30
Engine S/N: 508518
Date: 6/3/2019

Work Accomplished

Left Engine -

Discrepancy:
Annual inspection due.
Resolution:
Completed an annual inspection this date in accordance with F.A.R. 43 Appendix D, Textron/ Beechcraft Baron 58P, Annual/100 Inspection Guide 102-590000-5, A25, 01 JUN 2002.

Discrepancy:
Magnetos on left engine due 500 hour inspection
Resolution:
Performed 500 hour inspections on two magnetos. Installed new distributor blocks, contact point assemblies, capacitors, brushes, felt washers, snap rings. Magnetos timed internally and reinstalled on left and right engines with new gaskets.

Discrepancy:
Left engine starter base leaking oil.
Resolution:
Installed new starter base o-ring and reinstalled on engine.
Installed new baffle bracket at top starter attachment.

Discrepancy:
AD 84-26-02 Paper air filter replacement due.
Resolution:
Installed new air filter assemblies on left engine.

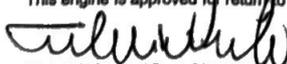
I certify that a Annual 100 HR Inspection was performed on the above engine, in accordance with FAR 43, Appendix D, and Textron/ Beechcraft Baron 58P, Annual/100 Inspection Guide 102-590000-5, A25, 01 JUN 2002.

This engine is approved for return to service with respect to the work performed.

Mark W Wiebe
Mark W Wiebe AP5618680731A

SUB-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 & CERTIFICATION NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
				 Loyd's AIRCRAFT MAINTENANCE, INC. (661) 393-1588 Fax (661) 393-2502
				N 6731Z AFTT: 3634.60 Hobbs: 509.40 Eng. TT: 4860.10 Engine S/N: 508518 Date: 8/22/2019
				SO# 19985
				Work Accomplished
				Left Engine -
				Discrepancy: Oil change due.
				Resolution: Drained oil and installed new filter CH48108-1. Cut open filter and inspected for metal contamination. No visible metal found at this time. Serviced engine with 11 quarts Aeroshell 50W100 Plus. Washed engine and cowl. Ground run and leak check good.
				Discrepancy: Left engine #6 EGT fail message.
				Resolution: Installed new EGT probe assembly.
				This engine is approved for return to service with respect to the work performed.
				 Mark W Wiebe AP561868073IA
				 Loyd's AIRCRAFT MAINTENANCE, INC. (661) 393-1588 Fax (661) 393-2502
				N 6731Z AFTT: 3638.80 Hobbs: 513.60 Eng. TT: 4864.30 Engine S/N: 508518 Date: 9/4/2019
				SO# 19985
				Work Accomplished
				Left Engine -
				Discrepancy: Left nacelle air scoop will not open when airconditioning turned on.
				Resolution: Installed overhauled / exchange door actuator. PN: ON EM414-27, SN ON: 196. Operational test good.
				This engine is approved for return to service with respect to the work performed.
				 Mark W Wiebe AP561868073IA
				 Loyd's AIRCRAFT MAINTENANCE, INC. (661) 393-1588 Fax (661) 393-2502
				N 6731Z AFTT: 3684.20 Hobbs: 559.00 Eng. TT: 4909.70 Engine S/N: 508518 Date: 2/27/2020
				SO# 20274
				Work Accomplished
				Left Engine -
				Discrepancy: Oil change due.
				Resolution: Drained oil and installed new filter CH48108-1. Cut open filter and inspected for metal contamination. No visible metal found at this time. Serviced engine with 11 quarts Aeroshell 50W100 Plus. Washed engine and cowl. Ground run and leak check good.
				Discrepancy: Oil sample due.
				Resolution: Oil samples taken and sent to A.O.A. for analysis.
				This engine is approved for return to service with respect to the work performed.
				 Mark W. Wiebe AP, IA 561868073

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATION NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page



Loyd's AIRCRAFT MAINTENANCE, INC.
 (661) 393-1588 Fax (661) 393-2502

N 6731Z
 AFTT: 3731.10
 Hobbs: 605.90
 Eng. TT: 4956.60
 Engine S/N: 508518
 Date: 7/10/2020

Work Accomplished

SO# 20463

Left Engine -

Discrepancy:
 Annual inspection due.
Resolution:

Completed an annual inspection this date in accordance with F.A.R. 43 Appendix D, Textron/ Beechcraft Baron 58P, Annual/100 Inspection Guide 55-590000-13, REV G12, Dated: 18 JUN 2019.
 Performed compression check with the following results:
 Left: #1 - 78/80, #2 - 78/80, #3 - 78/80, #4 - 75/80, #5 - 76/80, #6 - 72/80

Discrepancy:
 Oil change due.
Resolution:

Drained oil and installed new filter CH48108-1. Cut open filter and inspected for metal contamination.
 No visible metal found at this time. Serviced engine with 12 quarts Aeroshell 50W100 Plus.
 Washed engine and cowl. Ground run and leak check good.

Discrepancy:
 Oil samples due.
Resolution:

Oil samples taken and sent for analysis.

Discrepancy:
 Left engine lower spark plugs worn.
Resolution:

Installed new "Tempest" URHB32E spark plugs.

I certify that a Annual 100 HR Inspection was performed on the above engine, in accordance with FAR 43, Appendix D, and Textron/ Beechcraft Baron 58P, Annual/100 Inspection Guide 55-590000-13, REV G12, Dated: 18 JUN 2019.

This engine is approved for return to service with respect to the work performed.

Jorge Cruz AP3967528

Mark W. Wiebe AP, IA 561868073



Loyd's AIRCRAFT MAINTENANCE, INC.
 (661) 393-1588 Fax (661) 393-2502

N 6731Z
 AFTT: 3754.30
 Hobbs: 629.10
 Eng. TT: 4979.80
 Engine S/N: 508518
 Date: 4/8/2021

Work Accomplished

SO# 20935

Left Engine -

Discrepancy:
 Oil change due.
Resolution:

Drained oil and installed new filter CH48108-1. Cut open filter and inspected for metal contamination.
 No visible metal found at this time. Serviced engine with 12 quarts Aeroshell 50W100 Plus.
 Washed engine and cowl. Ground run and leak check good.

Discrepancy:
 Oil sample due.
Resolution:

Oil samples taken and sent to A.O.A. for analysis.

This engine is approved for return to service with respect to the work performed.

Mark W. Wiebe AP, IA 561868073

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATION NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
				<div style="display: flex; justify-content: space-between;"> <div data-bbox="598 351 1045 414">  <p>Loyd's AIRCRAFT MAINTENANCE, INC. (861) 393-1588 Fax (861) 393-2502</p> </div> <div data-bbox="1085 340 1292 489"> <p>N 6731Z AFTT: 3803.00 Hobbs: 677.80 Eng. TT: 4979.80 Engine S/N: 5028.50 Date: 6/22/2021</p> </div> </div> <p>Work Accomplished SO# 21066</p> <p>Left Engine -</p> <p>Discrepancy: Oil change due. Resolution: Drained oil and installed new filter CH48108-1. Cut open filter and inspected for metal contamination. No visible metal found at this time. Serviced engine with 12 quarts Aeroshell 50W100. Washed engine and cowl. Ground run and leak check good. Note: Owner supplied oil.</p> <p>Discrepancy: Oil sample due. Resolution: Oil samples taken and sent to A.O.A. for analysis.</p> <p>This engine is approved for return to service with respect to the work performed.</p> <p style="text-align: right;"><i>Mark W. Wiebe</i> Mark W. Wiebe AP, IA 561868073</p>
				<div style="display: flex; justify-content: space-between;"> <div data-bbox="622 989 1061 1053">  <p>Loyd's AIRCRAFT MAINTENANCE, INC. (861) 393-1588 Fax (861) 393-2502</p> </div> <div data-bbox="1101 989 1308 1138"> <p>N 6731Z AFTT: 3831.20 Hobbs: 706.00 Eng. TT: 5056.70 Engine S/N: 508518 Date: 8/18/2021</p> </div> </div> <p>Work Accomplished SO# 21150</p> <p>Left Engine -</p> <p>Discrepancy: Annual inspection due. Resolution: Completed an Annual inspection this date in accordance with FAR 43, appendix D and Textron/ Beechcraft MM, ML-B-58, REV 5, 55-590000-13, REV. G-12, Dated: 22 JUN 2017.</p> <p>Performed compression check with the following results: Left: #1 - 74/80, #2 - 72/80, #3 - 78/80, #4 - 70/80, #5 - 76/80, #6 - 76/80.</p> <p>Discrepancy: Oil change due. Resolution: Drained oil and installed new filters CH48108-1. Cut open filter and inspected for metal contamination. No visible metal found at this time. Serviced each engine with 12 quarts Aeroshell 50W100 Plus. Washed engine and cowl. Ground run and leak check good.</p> <p>Discrepancy: Oil samples due. Resolution: Oil samples taken and sent for analysis.</p> <p>Discrepancy: Left engine upper spark plugs due replacement. Resolution: Installed six (6ea) new "Tempest" URHB32E spark plugs.</p> <p>Discrepancy: Left engine #1 lower ignition lead cigarette end damaged. Resolution: Repaired lead by installing kit K3300-10 and new spring.</p> <p>Discrepancy: Left engine exhaust heat shield tab broken. Resolution: Heat shield weld repaired by Massey Aircraft and reinstalled on engine.</p> <p>I certify that an Annual inspection was performed on the above engine, in accordance with FAR 43, appendix D and Textron/ Beechcraft MM, ML-B-58, REV 5, 55-590000-13, REV. G-12, Dated: 22 JUN 2017.</p> <p>This engine is approved for return to service with respect to the work performed.</p> <p style="text-align: right;"><i>Mark W. Wiebe</i> Mark W. Wiebe AP, IA 561868073</p>

DA



Loyd's AIRCRAFT MAINTENANCE, INC.

P.O. Box 80958
Bakersfield, California 93380



Date: 2/14/2022; Aircraft: N6731Z; Type: BEECHCRAFT, 58P; S/N: TJ-255; Hobbs: 766.90; Total Time: 3892.10; Engine 1 Type: TSIO-520-WB, S/N: 508518, Time: 5117.60; Prop 1 Type: PHC-J3YF-2UF/FC7663DRB, S/N: ED6342B, Time: 720.80; Engine 2, Type: TSIO-520-WB, S/N: 518349, Time: 3935.80; Prop 2, Type: PHC-J3YF-2UF/FC7663DRB, S/N: ED6392B, Time: 720.80
Left Engine

--Discrepancy--

Left alternator fails intermittently.

Installed new ALV-9610 alternator, S/N H-W012363. Installed with new gasket. Ground run and functional test good.

This engine is approved for return to service with respect to the work performed.

Mark W. Wiebe
Mark W Wiebe AP561868073



Loyd's AIRCRAFT MAINTENANCE, INC.

P.O. Box 80958
Bakersfield, California 93380



Date: 7/18/2022; Aircraft: N6731Z; Type: BEECHCRAFT, 58P; S/N: TJ-255; Hobbs: 805.40; Total Time: 3930.60; Engine 1 Type: TSIO-520-WB, S/N: 508518, Time: 5156.10; Prop 1 Type: PHC-J3YF-2UF/FC7663DRB, S/N: ED6342B, Time: 759.30; Engine 2, Type: TSIO-520-WB, S/N: 518349, Time: 3974.30; Prop 2, Type: PHC-J3YF-2UF/FC7663DRB, S/N: ED6392B, Time: 759.30; Work Done At - Airframe Time: 3930.60,, Engine Time: 5156.10,, Heater Time: 436.50,
Left Engine

--Discrepancy--

Left engine air pump inoperative.

Removed air pump P/N 442CW-4 S/N 160916 and installed P/N AA442CW-4 S/N 0R4702.

This engine is approved for return to service with respect to the work performed.

Aurelio Flores AP3544096 *Aurelio Flores*



Loyd's AIRCRAFT MAINTENANCE, INC.

P.O. Box 80958
Bakersfield, California 93380



Date: 10/03/2022; Aircraft: N6731Z; Type: BEECHCRAFT, 58P; S/N: TJ-255; Hobbs: 818.00; Total Time: 3943.20; Engine 1 Type: TSIO-520-WB, S/N: 508518, Time: 5168.70; Prop 1 Type: PHC-J3YF-2UF/FC7663DRB, S/N: ED6342B, Time: 771.90; Engine 2, Type: TSIO-520-WB, S/N: 518349, Time: 3986.90; Prop 2, Type: PHC-J3YF-2UF/FC7663DRB, S/N: ED6392B, Time: 771.90; Work Done At - Airframe Time: 3943.20,, Engine Time: 5168.70,, Heater Time: 436.50,
Left Engine

--Discrepancy--

Annual inspection due.

Completed an Annual inspection this date in accordance with F.A.R. 43 appendix d.

Performed compression check with the following results:

Left: #1 - 72/80, #2 - 70/80, #3 - 78/80, #4 - 68/80, #5 - 74/80, #6 - 74/80.

--Discrepancy--

Oil change due.

Drained oil and installed new filter CH48108-1. Cut open filter and inspected for metal contamination. No visible metal found at this time. Serviced engine with 11 quarts Aeroshell 50W100 Plus. Washed engine and cowl. Ground run and leak check good.

--Discrepancy--

Oil sample due.

Oil sample taken and sent for analysis.

I certify that an annual inspection was performed this date in accordance with F.A.R. 43 appendix d. This engine is approved for return to service with respect to the work performed.

Mark W. Wiebe
Mark W Wiebe AP561868073IA

Mark L. Blackburn
Mark L Blackburn AP3458706



Loyd's AIRCRAFT MAINTENANCE, INC.

P.O. Box 80958
Bakersfield, California 93380



Date: 1/05/2023; Aircraft: N6731Z; Type: BEEHCRAFT, 58P; S/N: TJ-255; Hobbs: 852.90; Total Time: 3978.10; Engine 1 Type: TSIO-520-WB, S/N: 508518, Time: 5203.60; Prop 1 Type: PHC-J3YF-2UF/FC7663DRB, S/N: ED6342B, Time: 806.80; Engine 2, Type: TSIO-520-WB, S/N: 518349, Time: 4021.80; Prop 2, Type: PHC-J3YF-2UF/FC7663DRB, S/N: ED6392B, Time: 806.80; Work Done At - Airframe Time: 3978.10,, Engine Time: 5203.60,, Heater Time: 436.50, Left Engine

--Discrepancy--

Oil change due.

Drained oil and installed new filter AA48108-2. Cut open filter and inspected for metal contamination. No visible metal found at this time. Serviced engine with 12 quarts Aeroshell 50W100 Plus. Washed engine and cowl. Ground run and leak check good.

--Discrepancy--

Oil sample due.

Oil sample taken and sent for analysis.

This engine is approved for return to service with respect to the work performed.

Mark W Wiebe AP561868073



Loyd's AIRCRAFT MAINTENANCE, INC.

P.O. Box 80958
Bakersfield, California 93380



Date: 5/16/2023; Aircraft: N6731Z; Type: BEEHCRAFT, 58P; S/N: TJ-255; Hobbs: 881.30; Total Time: 4006.50; Engine 1 Type: TSIO-520-WB, S/N: 508518, Time: 5232.00; Prop 1 Type: PHC-J3YF-2UF/FC7663DRB, S/N: ED6342B, Time: 835.20; Engine 2, Type: TSIO-520-WB, S/N: 518349, Time: 4050.20; Prop 2, Type: PHC-J3YF-2UF/FC7663DRB, S/N: ED6392B, Time: 835.20; Work Done At - Airframe Time: 4006.50,, Engine Time: 5232.00,, Heater Time: 436.50, Left Engine

--Discrepancy--

Oil change due.

Drained oil and installed new filter CH48108-1. Cut open filter and inspected for metal contamination. No visible metal found at this time. Serviced engine with 12 quarts Aeroshell 50W100 Plus. Washed engine and cowl. Ground run and leak check good.

--Discrepancy--

Oil sample due.

Oil sample taken and sent for analysis.

This engine is approved for return to service with respect to the work performed.

Mark W Wiebe AP561868073



Loyd's AIRCRAFT MAINTENANCE, INC.

P.O. Box 80958
Bakersfield, California 93380



Date: 8/08/2023; Aircraft: N6731Z; Type: BEEHCRAFT, 58P; S/N: TJ-255; Hobbs: 908.60; Total Time: 4033.80; Engine 1 Type: TSIO-520-WB, S/N: 508518, Time: 5259.30; Prop 1 Type: PHC-J3YF-2UF/FC7663DRB, S/N: ED6342B, Time: 862.50; Engine 2, Type: TSIO-520-WB, S/N: 518349, Time: 4077.50; Prop 2, Type: PHC-J3YF-2UF/FC7663DRB, S/N: ED6392B, Time: 862.50; Work Done At - Airframe Time: 4033.80,, Engine Time: 5259.30,, Heater Time: 436.50, Left Engine

--Discrepancy--

Oil change due.

Drained oil and installed new filter CH48108-1. Cut open filter and inspected for metal contamination. No visible metal found at this time. Serviced engine with 12 quarts Aeroshell 50W100 Plus. Washed engine and cowl. Ground run and leak check good.

--Discrepancy--

Oil sample due.

Oil sample taken and sent for analysis.

This engine is approved for return to service with respect to the work performed.

Mark W Wiebe AP561868073