

<b>Customer Name:</b> BRITTON ELLINGTON	<b>Tail Number:</b> N7733V	<b>Comp Serial No:</b> L-15552-51A
<b>Address:</b> 582 Marjorie Pl Macon GA 31204 USA	<b>Aircraft Make:</b> Cessna	<b>Comp Name:</b> Single Engine
<b>Phone:</b> 706 741 0644	<b>Aircraft Model:</b> 177RG	<b>Comp Make:</b> Lycoming
<b>Fax:</b>	<b>Serial No:</b>	<b>Comp Model:</b> IO-360A1B6D
	<b>UIN:</b> 077703C	

<b>Sample No.</b>	44150215886
<b>Date Sampled</b>	01-Sep-19
<b>Date Tested</b>	09-Sep-19
<b>Oil Brand</b>	Phillips 66
<b>Oil Type</b>	XC Aviation MV
<b>Oil Grade</b>	SAE 20W50
<b>Oil Hrs</b>	35
<b>Oil Added</b>	7.0
<b>Hrs Since New</b>	
<b>Rebuild Hrs</b>	49

<b>Metals (ppm)</b>	
Aluminium (Al)	16
Iron (Fe)	35.67
Copper (Cu)	18.41
Nickel (Ni)	<1
Chromium (Cr)	45
Silver (Ag)	<1

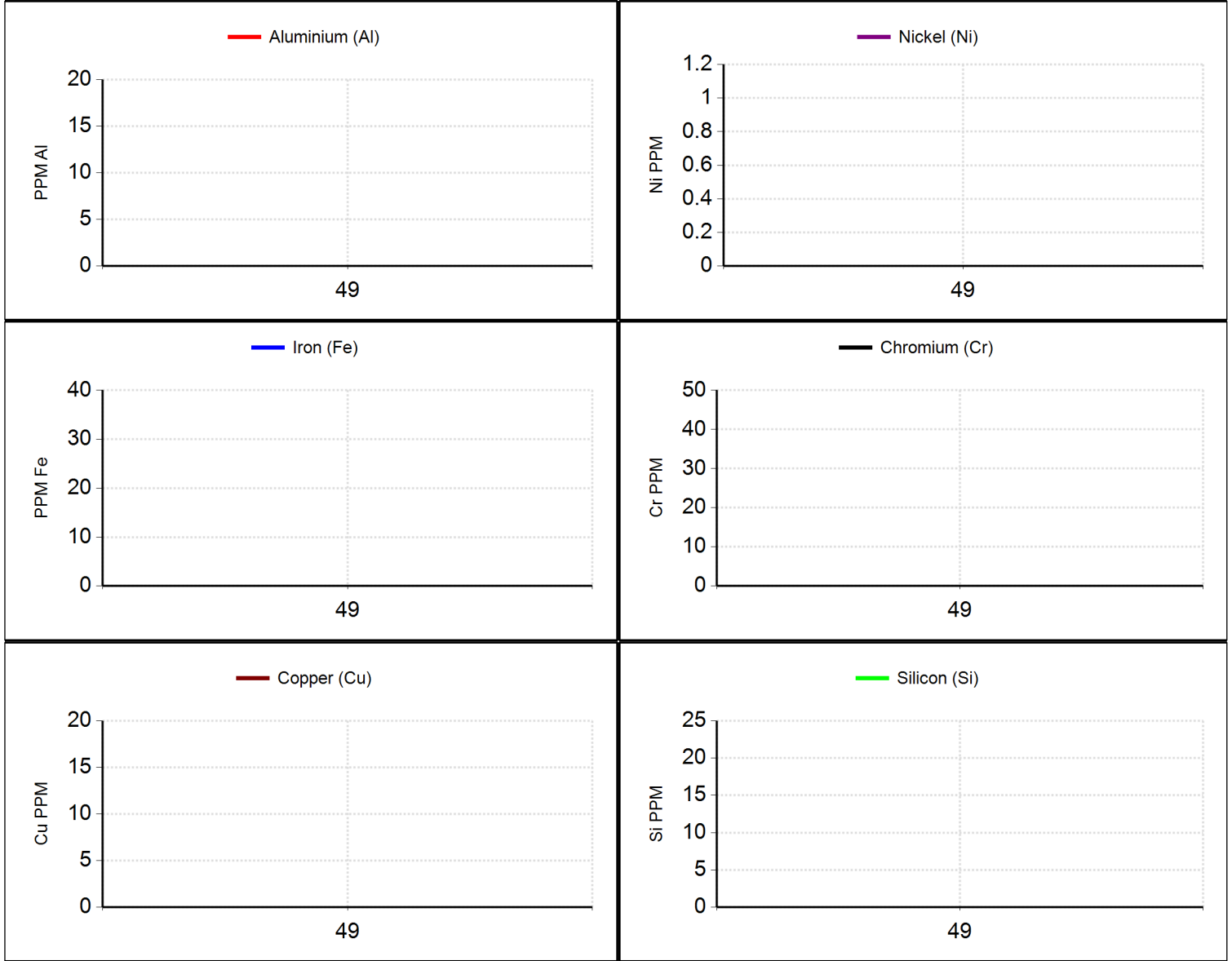
<b>Contaminants (ppm)</b>	
Silicon (Si)	23

**LEGEND**



<b>Sample No.</b>	<b>Diagnosis/Recommendations</b>
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44150215886	No abnormal wear detected for recent overhaul. Resample next oil change to establish wear trend.
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Since services are based on samples and information supplied by others, and since corrective actions, if any, are necessarily taken by others, these services are rendered without any warranty or liability of any kind beyond the actual amount paid to ALS Laboratory group for the services. Reported recommendations are based on interpretations of the generated test results and historical data. Certain test results appearing in this report may have been tested at other ALS laboratories within the Tribology divisional network.

Britton Ellington  
Attn: Britton Ellington  
582 Marjorie Pl  
Macon GA 31204  
USA

**TEST METHODS:**  
Acid Number: ASTM D974/D664  
ICP: ASTM D5185  
Viscosity: ASTM D445 / D7279  
Water by Crackle: ASTM E203 Mod / In House

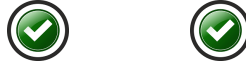
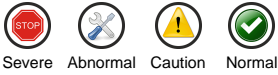
3319 W. Earll Drive, Phoenix, Arizona 85017  
 Phone: 800-445-7930 Fax: 602-252-4639  
<http://webtrieve.alstribology.com> \*\*\*\*email: [aoa@alstribology.com](mailto:aoa@alstribology.com)

<b>Customer Name:</b> BRITTON ELLINGTON	<b>Tail Number:</b> N7733V	<b>Comp Serial No:</b> L-15552-51A
<b>Address:</b> 582 Marjorie Pl Macon GA 31204 USA	<b>Aircraft Make:</b> Cessna	<b>Comp Name:</b> Single Engine
<b>Phone:</b> 706 741 0644	<b>Aircraft Model:</b> 177RG	<b>Comp Make:</b> Lycoming
<b>Fax:</b>	<b>Serial No:</b>	<b>Comp Model:</b> IO-360A1B6D
	<b>UIN:</b> 077703C	

Sample No.	44150235693	44150215886
Date Sampled	03-Jul-20	01-Sep-19
Date Tested	14-Jul-20	09-Sep-19
Oil Brand	Phillips 66	Phillips 66
Oil Type	XC Aviation MV	XC Aviation MV
Oil Grade	SAE 20W50	SAE 20W50
Oil Hrs	37	35
Oil Added	1.0	7.0
Hrs Since New		
Rebuild Hrs	125	49

Metals (ppm)		
Aluminium (Al)	13	16
Iron (Fe)	35.53	35.67
Copper (Cu)	6.29	18.41
Nickel (Ni)	<1	<1
Chromium (Cr)	28	45
Silver (Ag)	<1	<1
Contaminants (ppm)		
Silicon (Si)	10	23

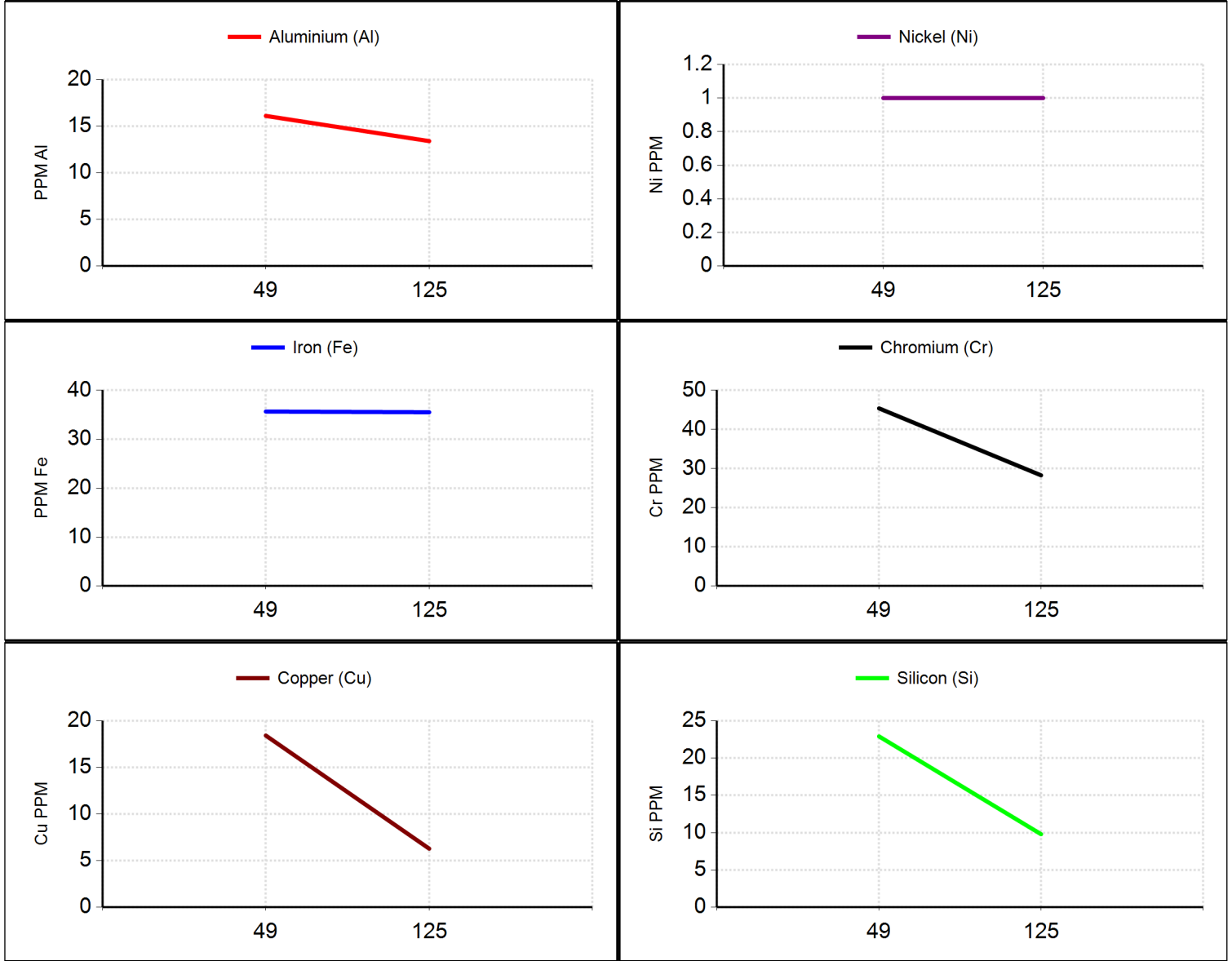
**LEGEND**



<u>Sample No.</u>	<u>Diagnosis/Recommendations</u>
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44150235693	No abnormal wear detected for recent overhaul. Resample next oil change to check wear trend.
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44150215886	No abnormal wear detected for recent overhaul. Resample next oil change to establish wear trend.
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Macon GA 31204  
USA

**TEST METHODS:**  
 Acid Number: ASTM D974/D664  
 ICP: ASTM D5185  
 Viscosity: ASTM D445 / D7279  
 Water by Crackle: ASTM E203 Mod / In House

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	<b>UIN:</b> 077703C	

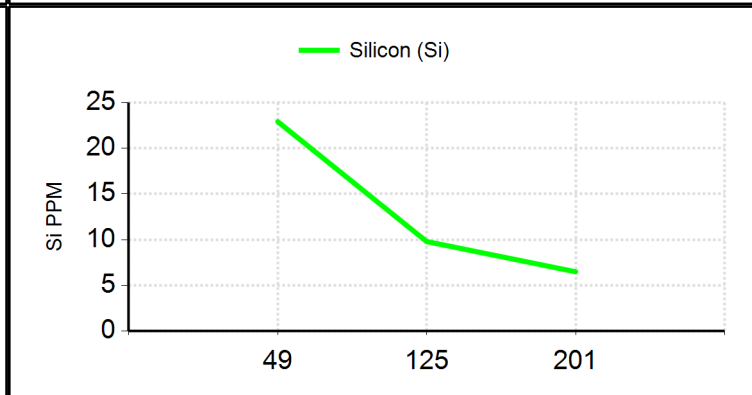
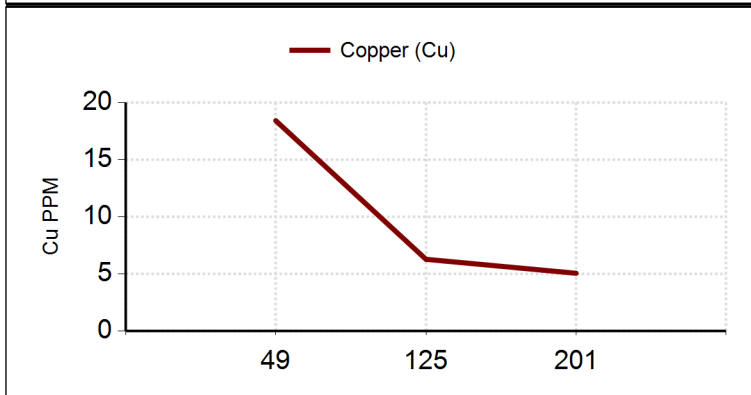
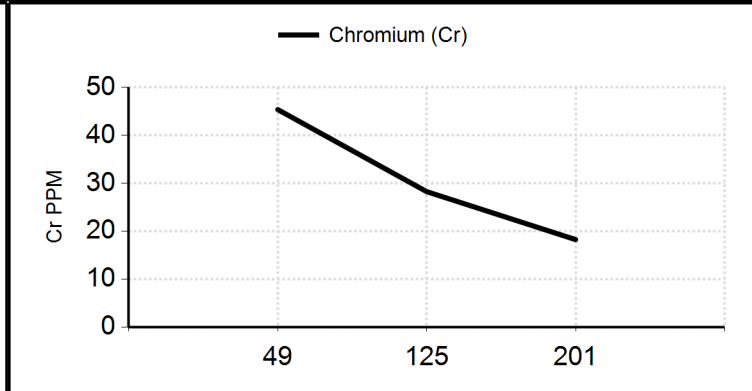
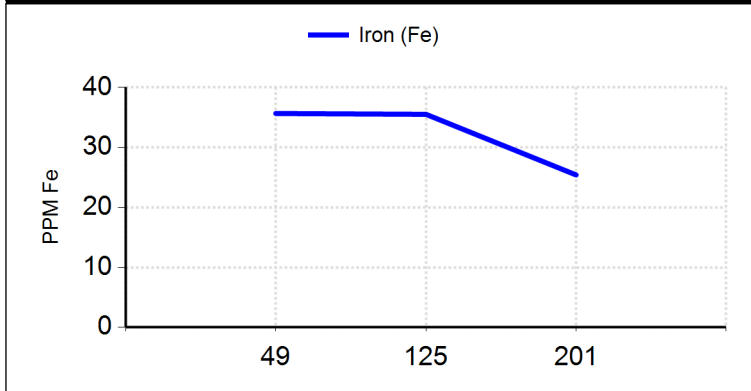
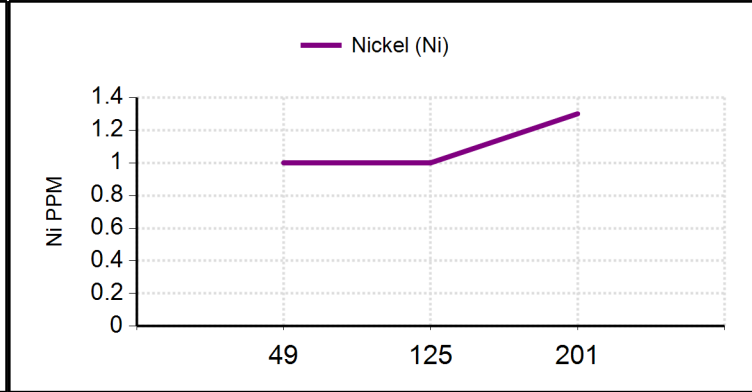
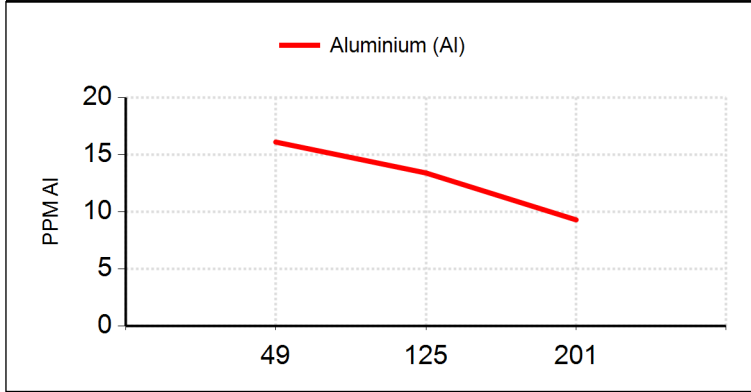
Sample No.	44150249360	44150235693	44150215886
<b>Date Sampled</b>	16-Jan-21	03-Jul-20	01-Sep-19
<b>Date Tested</b>	27-Jan-21	14-Jul-20	09-Sep-19
<b>Oil Brand</b>	Phillips 66	Phillips 66	Phillips 66
<b>Oil Type</b>	XC Aviation MV	XC Aviation MV	XC Aviation MV
<b>Oil Grade</b>	SAE 20W50	SAE 20W50	SAE 20W50
<b>Oil Hrs</b>	45	37	35
<b>Oil Added</b>	6.0	1.0	7.0
<b>Hrs Since New</b>			
<b>Rebuild Hrs</b>	201	125	49
<b>Metals (ppm)</b>			
Aluminium (Al)	9	13	16
Iron (Fe)	25.42	35.53	35.67
Copper (Cu)	5.07	6.29	18.41
Nickel (Ni)	1	<1	<1
Chromium (Cr)	18	28	45
Silver (Ag)	<1	<1	<1
<b>Contaminants (ppm)</b>			
Silicon (Si)	7	10	23

**LEGEND**



<b>Sample No.</b>	<b>Diagnosis/Recommendations</b>
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44150249360	All values appear normal.
44150235693	No abnormal wear detected for recent overhaul. Resample next oil change to check wear trend.
44150215886	No abnormal wear detected for recent overhaul. Resample next oil change to establish wear trend.



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**TEST METHODS:**

Acid Number:	ASTM D974/D664
ICP:	ASTM D5185
Viscosity:	ASTM D445 / D7279
Water by Crackle:	ASTM E203 Mod / In House