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<b>Customer Name:</b>	THOROUGHbred/MUSTANG AVIATION (KY)	<b>Tail Number:</b>	N920C	<b>Comp Serial No:</b>	L-14090-61A
<b>Address:</b>	4316 Hangar Drive Lexington KY 40510 USA	<b>Aircraft Make:</b>	Piper	<b>Comp Name:</b>	Single Engine
<b>Phone:</b>	859 255 1902	<b>Aircraft Model:</b>	PA46 350P	<b>Comp Make:</b>	Lycoming
<b>Fax:</b>	8882217336	<b>Serial No:</b>		<b>Comp Model:</b>	TIO-540AE2A
		<b>UIN:</b>	0AD0CFA		

Sample No.	44150335676
SIF No.	44534940
Date Sampled	16-Aug-24
Date Tested	26-Aug-24
Oil Brand	Phillips 66
Oil Type	XC Aviation MV
Oil Grade	SAE 20W50
Oil Hrs	5
Oil Added	
Hrs Since New	863
Rebuild Hrs	863

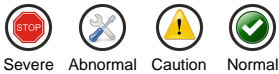
#### Metals (ppm)

Aluminium (Al)	24
Iron (Fe)	98.73
Copper (Cu)	6.56
Nickel (Ni)	6
Chromium (Cr)	11
Silver (Ag)	<1

#### Contaminants (ppm)

Silicon (Si)	7
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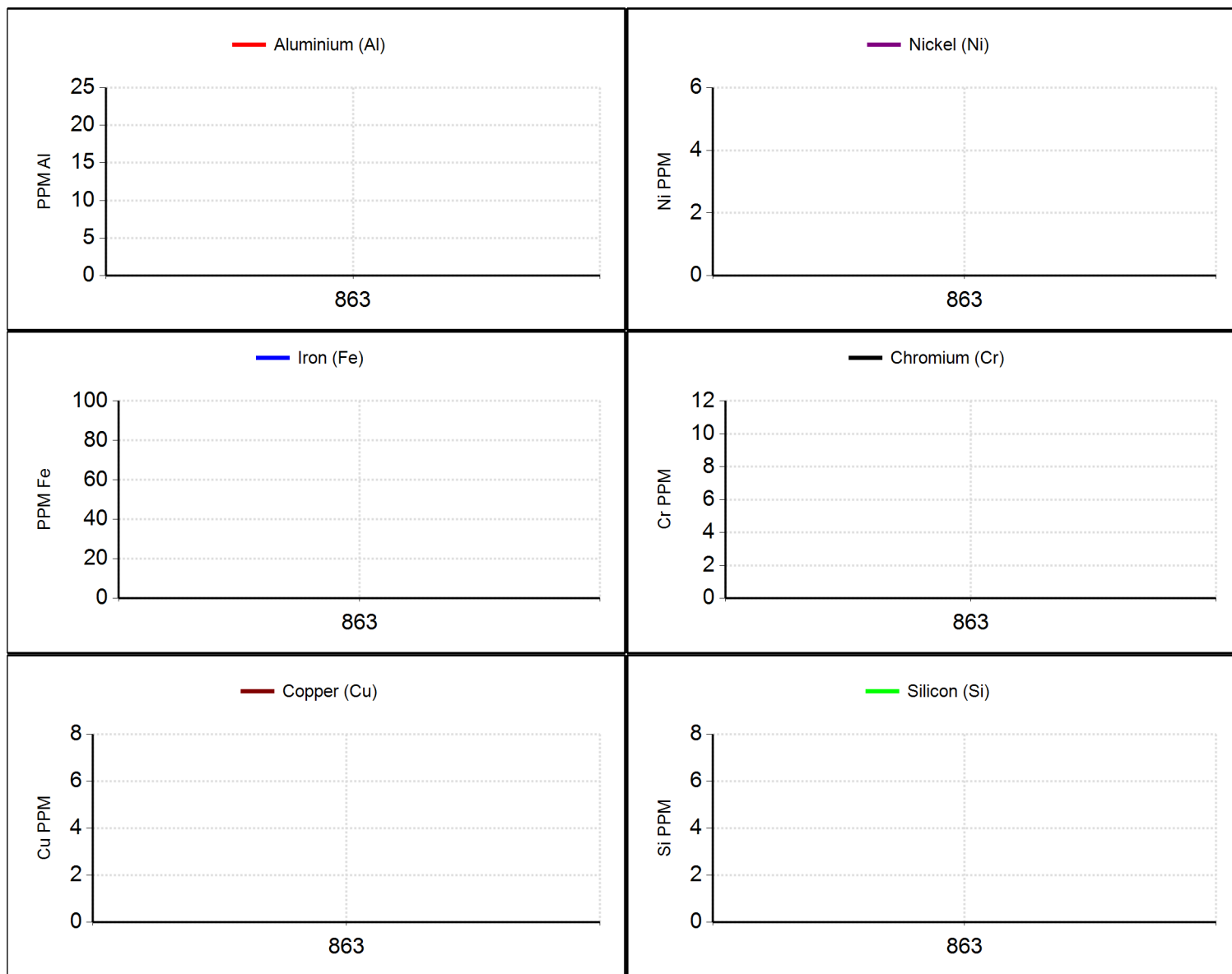
#### LEGEND



### Sample No.      Diagnosis/Recommendations

**44150335676**

Iron appears high for time on oil. Possible corrosion if aircraft not flown regularly. Resample next oil change to establish wear trend.



*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.*

Thoroughbred/Mustang Aviation (Ky)  
 Attn: Don Lockridge  
 4316 Hangar Drive  
 Lexington KY 40510  
 USA

#### TEST METHODS:

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

