

[REDACTED] Phoenix, Arizona 85017
 Phone: [REDACTED] Fax: [REDACTED]
 http://[REDACTED] ****email: [REDACTED]

Customer Name:	AERO VALLEY, LLC	Tail Number:	N444TW	Comp Serial No:	
Address:	[REDACTED] Pauls Valley OK 73075 USA	Aircraft Make:	Lancair	Comp Name:	Single Engine
Phone:	[REDACTED]	Aircraft Model:	.	Comp Make:	
Fax:		Serial No:		Comp Model:	
		UIN:	082081E		

Sample No.	44150239817
Date Sampled	26-Aug-20
Date Tested	01-Sep-20
Oil Brand	Unidentified
Oil Type	Unidentified
Oil Grade	Unknown
Oil Hrs	
Oil Added	
Hrs Since New	
Rebuild Hrs	

Metals (ppm)

Aluminium (Al)	8
Iron (Fe)	48.85
Copper (Cu)	2.88
Nickel (Ni)	10
Chromium (Cr)	6
Tin (Sn)	3
Lead (Pb)	1317.04
Silver (Ag)	<1
Phosphorus (P)	13

Contaminants (ppm)

Silicon (Si)	8
Water (%)	<0.05

Additives (ppm)

Magnesium (Mg)	<1
Calcium (Ca)	14
Zinc (Zn)	4
Boron (B)	<1

Physical Tests

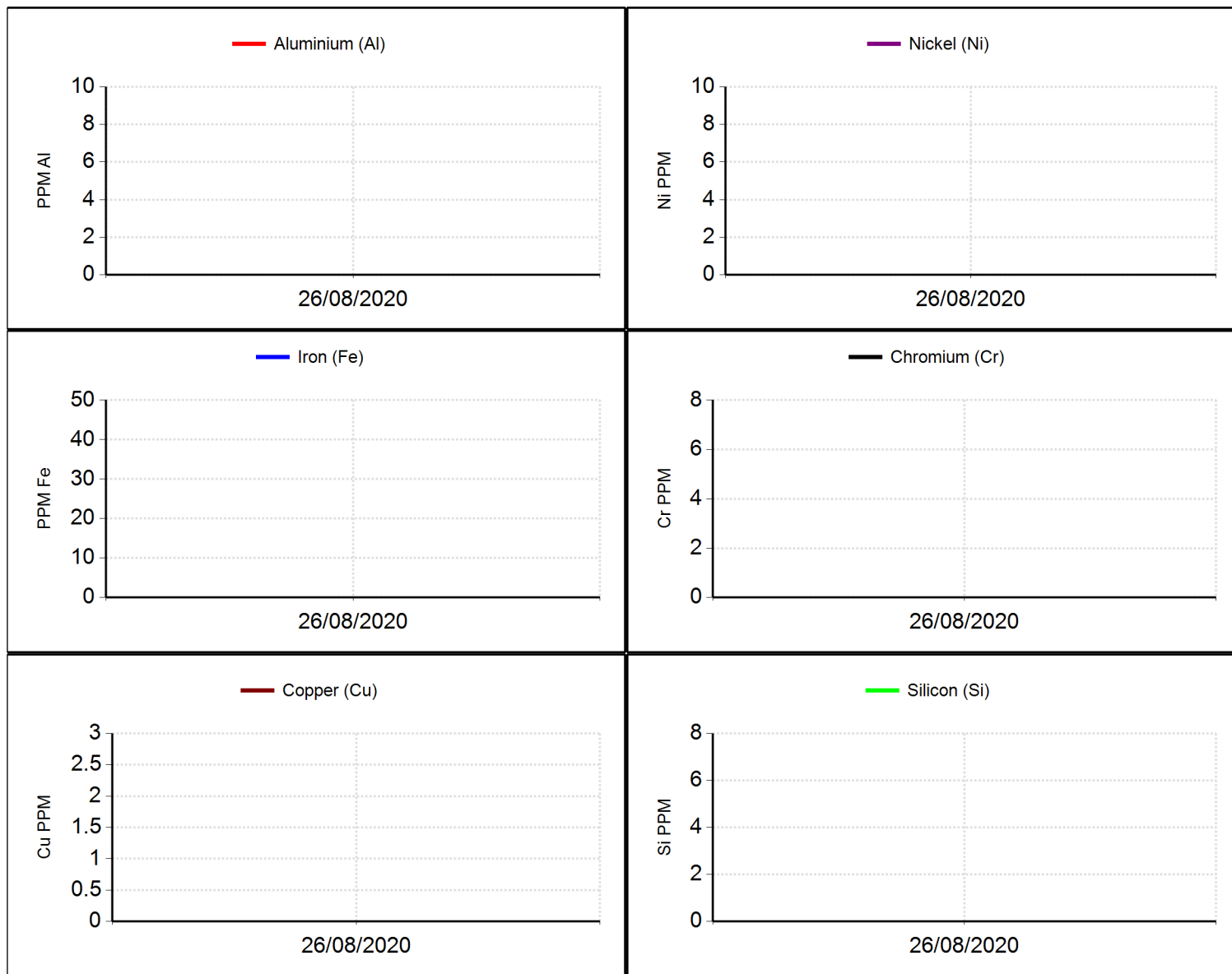
Viscosity (cSt 100C)	19.2
PQ Index	12

LEGEND


Sample No. Diagnosis/Recommendations

44150239817

Engine / Oil time unknown. Wear metals appear high for oil time. Silicon level (dirt/sealant material) satisfactory. Water content acceptable. Viscosity within specified operating range. Action: Check oil filter for chips. Resample at a reduced service interval to monitor and 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.

Aero Valley, LLC
 Attn: Chris Salazar
[REDACTED]
 Pauls Valley OK 73075
 USA

**TEST
METHODS:**

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