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Customer Name: TIM FINO	Tail Number: N47815	Comp Serial No: 1009404
Address: 34730 Oakland Farmington MI 48335 USA	Aircraft Make: Piper	Comp Name: Left Engine
Phone: 248 471 6500	Aircraft Model: PA34 200T	Comp Make: Continental
Fax: 248 479 0383	Serial No:	Comp Model: TSIO-360EB
	UIN: 06984EF	

Sample No.	44150316167	44150312224	44150304369	44150289384	44150282251	44150274474
SIF No.	26426807	26426796	26433883	25333302	700600202	26434081
Date Sampled	14-Oct-23	16-Aug-23	02-May-23	07-Sep-22	01-Jun-22	09-Feb-22
Date Tested	25-Oct-23	24-Aug-23	09-May-23	14-Sep-22	10-Jun-22	15-Feb-22
Oil Brand	Shell	Shell	Shell	Shell	Shell	Shell
Oil Type	AeroShell W100	AeroShell W100	AeroShell W80	AeroShell W100	AeroShell W80	AeroShell W100
Oil Grade	SAE 50	SAE 50	SAE 40	SAE 50	SAE 40	SAE 50
Oil Hrs	34	50	47	55	52	50
Oil Added	1.0	1.0	1.0	1.0	1.0	1.0
Hrs Since New	2071	2036	1985	1938	1883	2461
Rebuild Hrs		2036				

Metals (ppm)	44150316167	44150312224	44150304369	44150289384	44150282251	44150274474
Aluminium (Al)	8	10	11	7	7	7
Iron (Fe)	89.55	99.79	84.19	81.14	86.86	75.73
Copper (Cu)	5.49	7.62	4.02	5.43	6.87	4.98
Nickel (Ni)	33	29	23	19	24	32
Chromium (Cr)	14	15	12	10	14	14
Silver (Ag)	<1	<1	<1	<1	<1	<1

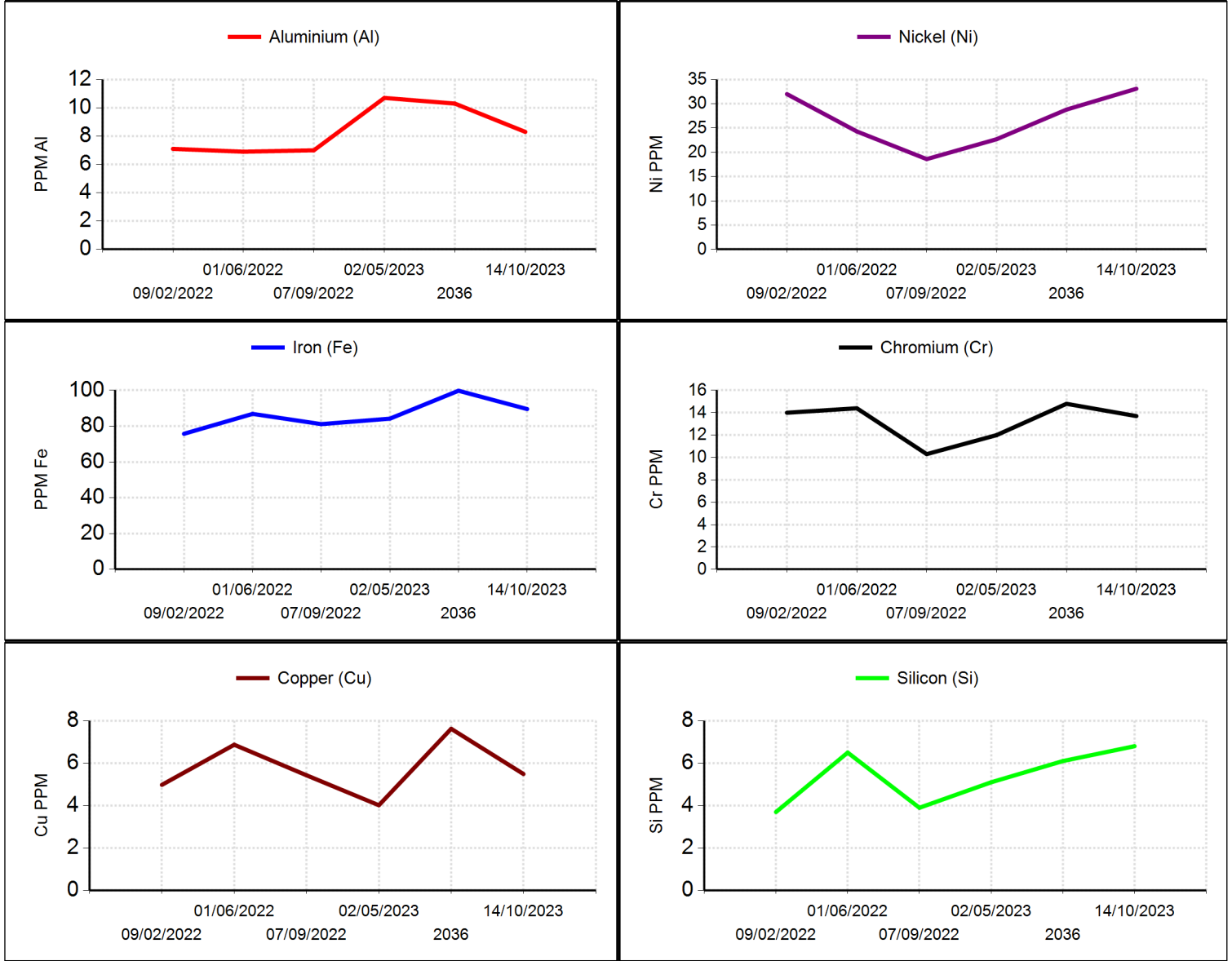
Contaminants (ppm)	44150316167	44150312224	44150304369	44150289384	44150282251	44150274474
Silicon (Si)	7	6	5	4	7	4

LEGEND



Sample No.	Diagnosis/Recommendations
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44150316167	All values appear normal.
44150312224	Wear metals appear normal based on trend. Resample next oil change to check wear trend.
44150304369	All values appear normal.
44150289384	All values appear normal.
44150282251	Wear metals appear normal based on trend. Resample next oil change to check wear trend.
44150274474	Wear metal(s) improved since last sample. Resample next oil change to check 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.



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