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<b>Customer Name:</b> TIM FINO	<b>Tail Number:</b> N47815	<b>Comp Serial No:</b> 1009579
<b>Address:</b> 34730 Oakland Farmington MI 48335 USA	<b>Aircraft Make:</b> Piper	<b>Comp Name:</b> Right Engine
<b>Phone:</b> 248 471 6500	<b>Aircraft Model:</b> PA34 200T	<b>Comp Make:</b> Continental
<b>Fax:</b> 248 479 0383	<b>Serial No:</b>	<b>Comp Model:</b> TSIO-360EB
	<b>UIN:</b> 06984F8	

Sample No.	44150316168	44150312223	44150304370	44150289385	44150282250	44150274473
SIF No.	26426797	26426801	26426808	25333394	700600201	26433878
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 W80	AeroShell W80	AeroShell W100
Oil Grade	SAE 50	SAE 50	SAE 40	SAE 40	SAE 40	SAE 50
Oil Hrs	35	51	47	55	53	50
Oil Added	1.0	1.0	1.0	1.0	2.0	1.0
Hrs Since New	2091	2056	2005	1938	1902	2475
Rebuild Hrs		2056				

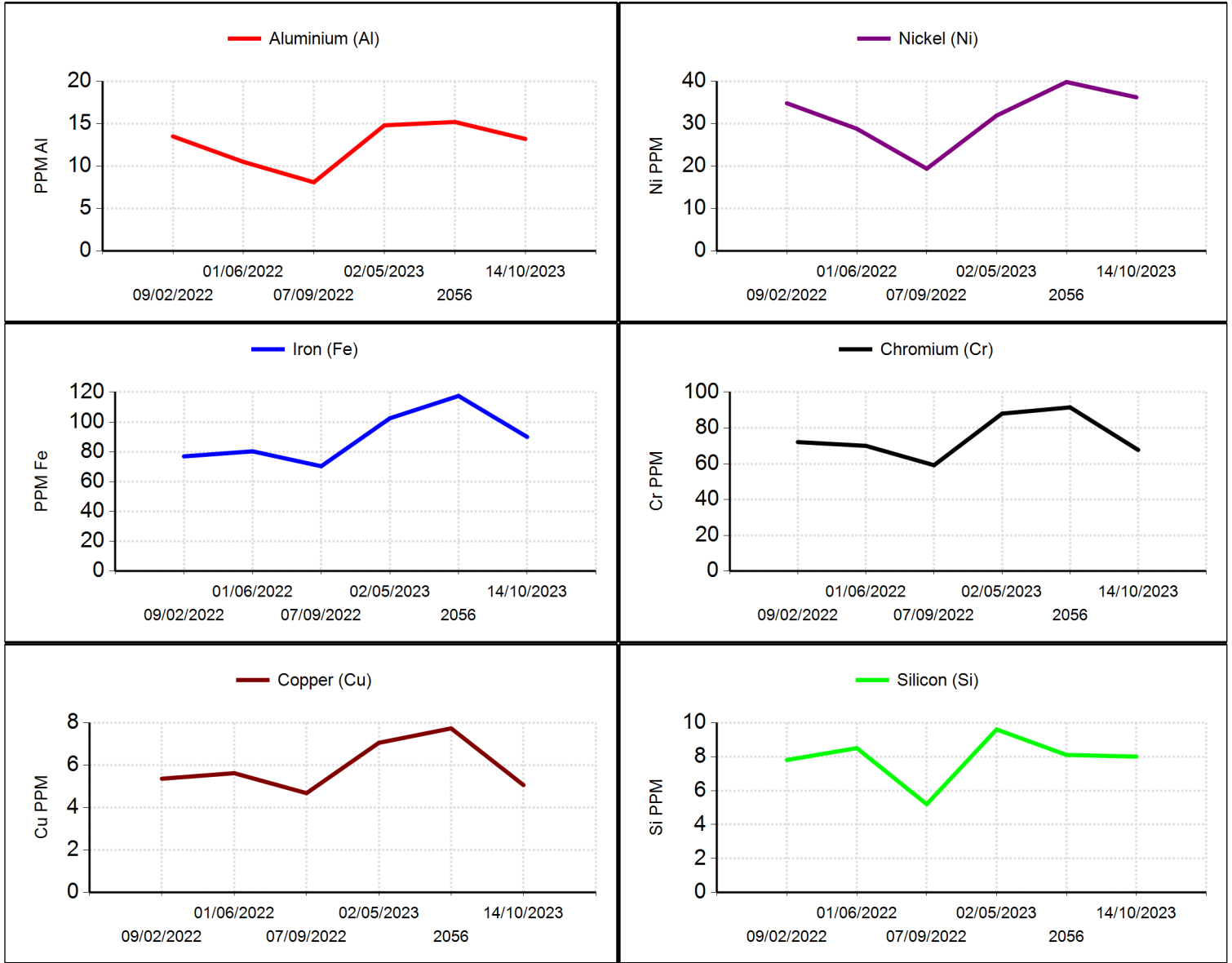
Metals (ppm)	44150316168	44150312223	44150304370	44150289385	44150282250	44150274473
Aluminium (Al)	13	15	15	8	11	14
Iron (Fe)	89.97	117.46	102.49	70.35	80.33	76.96
Copper (Cu)	5.06	7.73	7.05	4.68	5.62	5.36
Nickel (Ni)	36	40	32	19	29	35
Chromium (Cr)	68	92	88	59	70	72
Silver (Ag)	<1	<1	<1	<1	<1	<1
<b>Contaminants (ppm)</b>						
Silicon (Si)	8	8	10	5	9	8

**LEGEND**



Sample No.	Diagnosis/Recommendations
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44150316168	Wear metals appear normal based on trend. Resample next oil change to check wear trend.
44150312223	Increase in wear metals noted. Check oil filter for chips. Resample next oil change to check wear trend.
44150304370	Increase in iron level noted. Check oil filter for chips. Resample next oil change to check wear trend.
44150289385	All values appear normal.
44150282250	Wear metals appear normal based on trend. Resample next oil change to check wear trend.
44150274473	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