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

Sample No.	44150289385	44150282250	44150274473	44150267362	44150265338	44150261264
SIF No.	25333394	700600201	26433878	26434152	26433874	39307321
Date Sampled	07-Sep-22	01-Jun-22	09-Feb-22	13-Oct-21	09-Sep-21	21-Jul-21
Date Tested	14-Sep-22	10-Jun-22	15-Feb-22	19-Oct-21	21-Sep-21	26-Jul-21
Oil Brand	Shell	Shell	Shell	Shell	Shell	Shell
Oil Type	AeroShell W80	AeroShell W80	AeroShell W100	AeroShell W100	AeroShell W100	AeroShell W100
Oil Grade	SAE 40	SAE 40	SAE 50	SAE 50	SAE 50	SAE 50
Oil Hrs	55	53	50	45	57	19
Oil Added	1.0	2.0	1.0	1.0	1.0	
Hrs Since New	1938	1902	2475	1798		1696
Rebuild Hrs					1753	

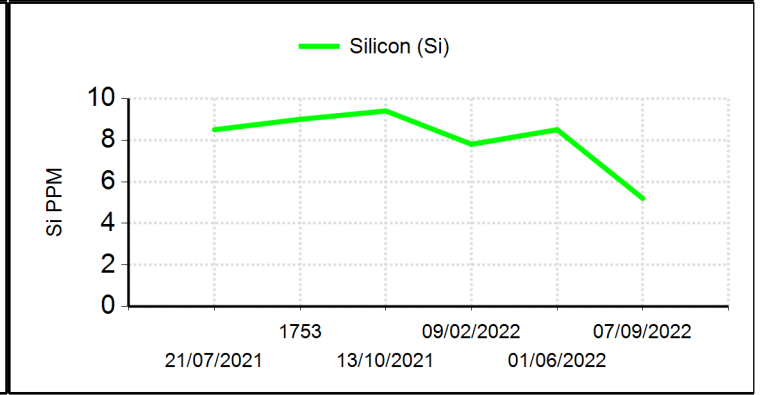
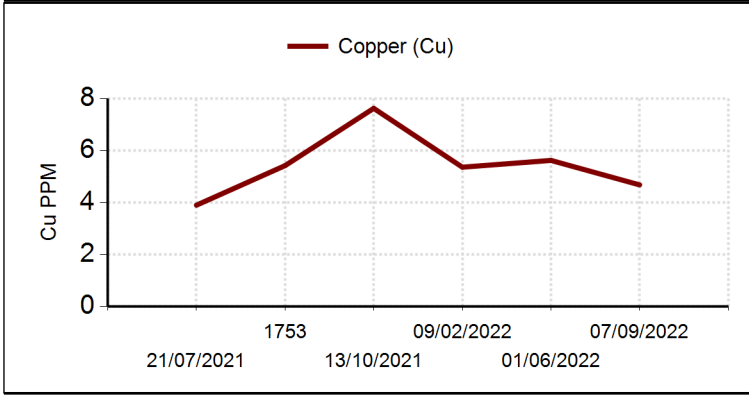
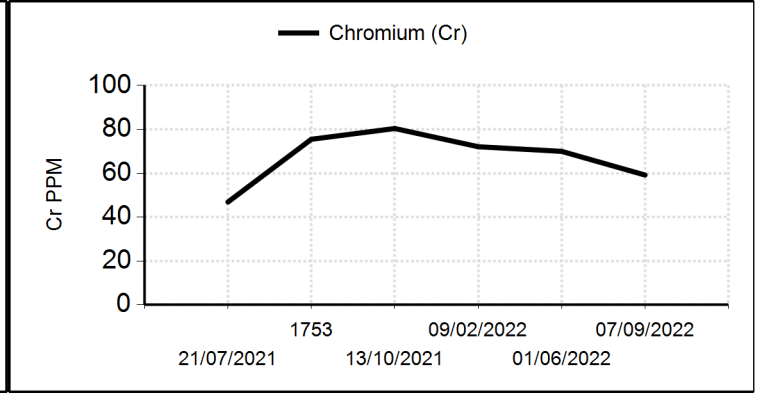
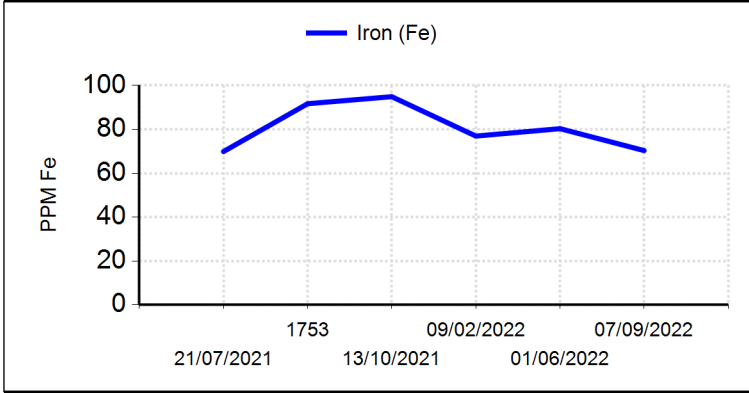
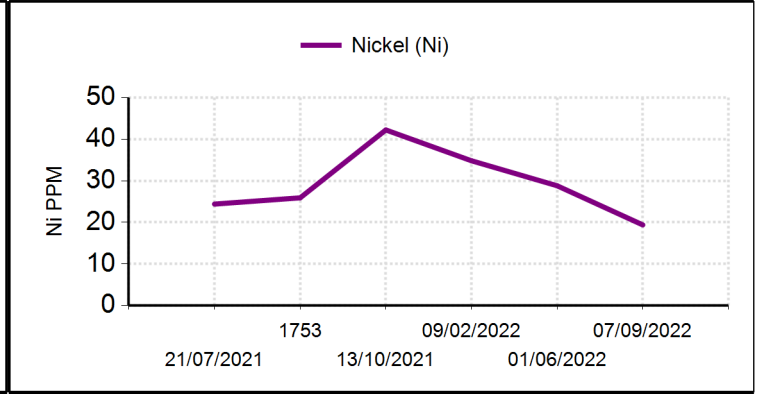
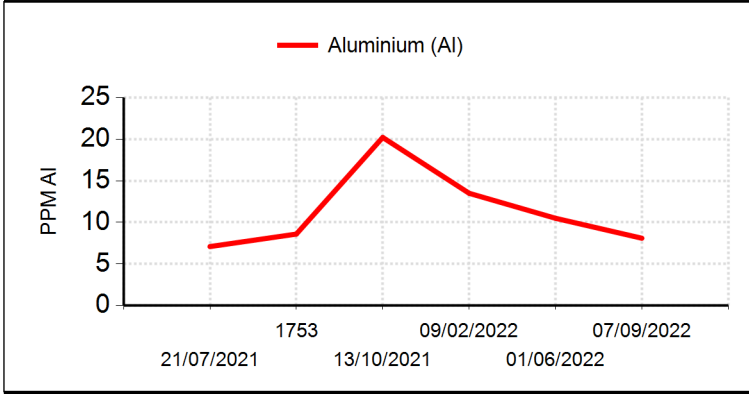
Metals (ppm)						
Aluminium (Al)	8	11	14	20	9	7
Iron (Fe)	70.35	80.33	76.96	94.91	91.70	69.90
Copper (Cu)	4.68	5.62	5.36	7.62	5.42	3.90
Nickel (Ni)	19	29	35	42	26	24
Chromium (Cr)	59	70	72	80	76	47
Silver (Ag)	<1	<1	<1	<1	<1	<1
Contaminants (ppm)						
Silicon (Si)	5	9	8	9	9	9

LEGEND



Sample No.	Diagnosis/Recommendations
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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.
44150267362	Increase in wear metals noted. Check oil filter for chips. Resample next oil change to check wear trend.
44150265338	Wear metals appear normal based on trend. Resample next oil change to check wear trend.
44150261264	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