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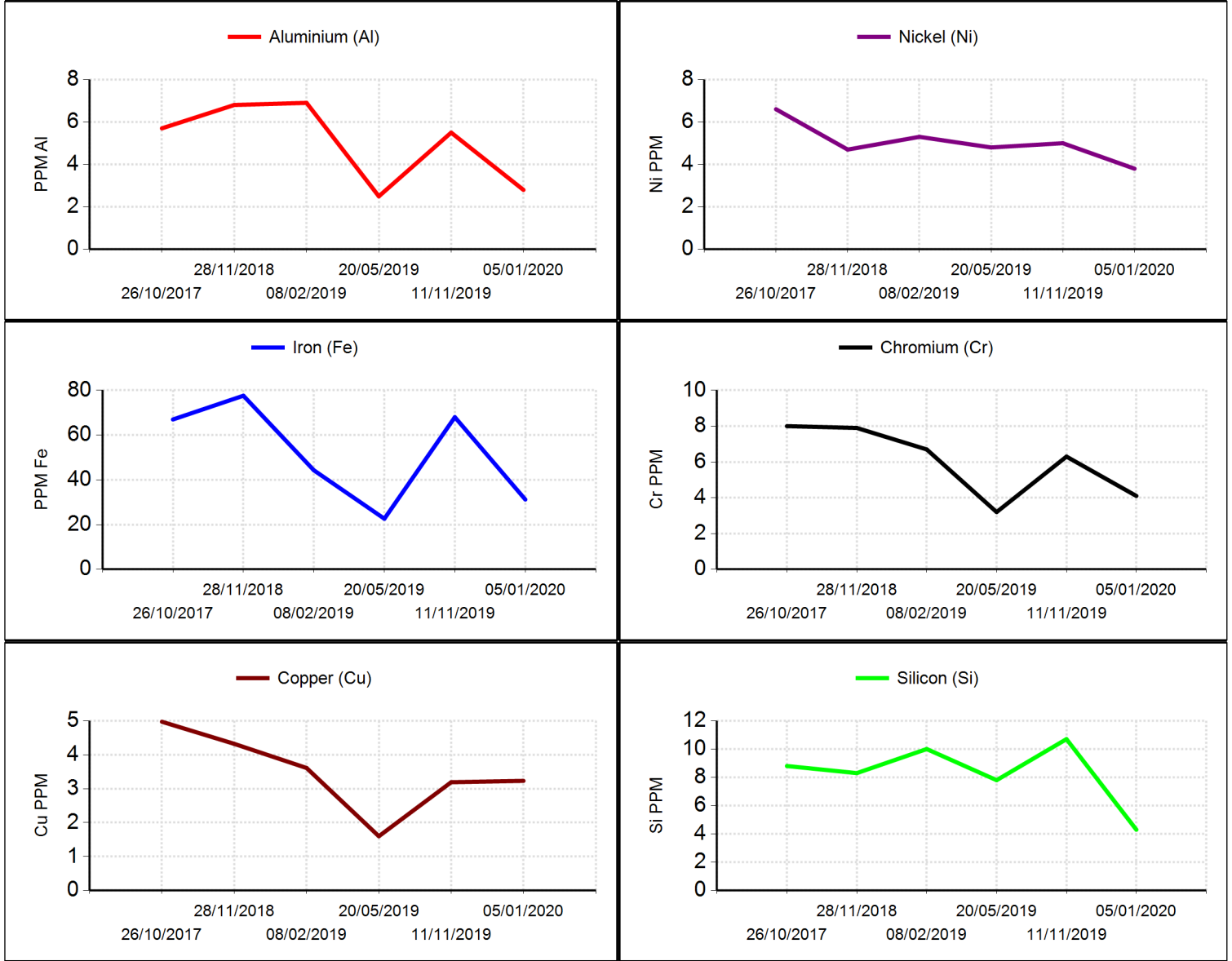
Customer Name: MATT KALIN	Tail Number: N871CD	Comp Serial No: 357456
Address: 2663 Yore Ave Sodus MI 49126 USA	Aircraft Make: Case	Comp Name: Single Engine
Phone: 269 757 3689	Aircraft Model: SR200	Comp Make: TCM
Fax:	Serial No:	Comp Model: IO-360-ES
	UIN: 01DF4BD	

Sample No.	44150225602	44150221184	44150207620	44150201502	44150197120	44150171403
Date Sampled	05-Jan-20	11-Nov-19	20-May-19	08-Feb-19	28-Nov-18	26-Oct-17
Date Tested	04-Feb-20	21-Nov-19	20-May-19	19-Feb-19	05-Dec-18	06-Nov-17
Oil Brand	Shell	Shell	Shell	Shell	Shell	Shell
Oil Type	Aeroshell W	Aeroshell W	Aeroshell W	Aeroshell W	Aeroshell W	Aeroshell W
Oil Grade	SAE 15W50	SAE 15W50	SAE 15W50	SAE 15W50	SAE 15W50	SAE 15W50
Oil Hrs	25	26	11	28	35	47
Oil Added		1.0				
Hrs Since New Rebuild Hrs	1992	1968	1930	1931	1902	1854
Metals (ppm)						
Aluminium (Al)	3	6	3	7	7	6
Iron (Fe)	31.20	68.03	22.63	44.27	77.60	66.99
Copper (Cu)	3.23	3.19	1.60	3.61	4.32	4.97
Nickel (Ni)	4	5	5	5	5	7
Chromium (Cr)	4	6	3	7	8	8
Silver (Ag)	<1	<1	<1	<1	<1	<1
Contaminants (ppm)						
Silicon (Si)	4	11	8	10	8	9

LEGEND



Sample No.	Diagnosis/Recommendations
44150225602	All values appear normal.
44150221184	Increase in iron level noted. Check oil filter for chips. Resample next oil change to check wear trend.
44150207620	All values appear normal.
44150201502	Wear metal(s) improved since last sample. Resample next oil change to check wear trend.
44150197120	Wear metals appear high for oil time. Check oil filter for chips. Resample next oil change to check wear trend.
44150171403	All values appear normal.



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.

Matt Kalin
 Attn: Matt Kalin
 2663 Yore Ave
 Sodus MI 49126
 USA

TEST METHODS:

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