

3319 W. Earll Drive, Phoenix, Arizona 85017
 Phone: 800-445-7930 Fax: 602-252-4639
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Customer Name: AVIATION OIL ANALYSIS NA PARENT	Tail Number: N12345	Comp Serial No: L-12345-R
Address: 3319 West Earll Drive Phoenix AZ 85017	Aircraft Make: Cessna	Comp Name: Single Engine
Phone: 800-445-7930	Aircraft Model: 150A	Comp Make: Continental
Fax: 602-252-4639	Serial No: L-12345-R	Comp Model: IO-520D
	UIN: 02B07F5	

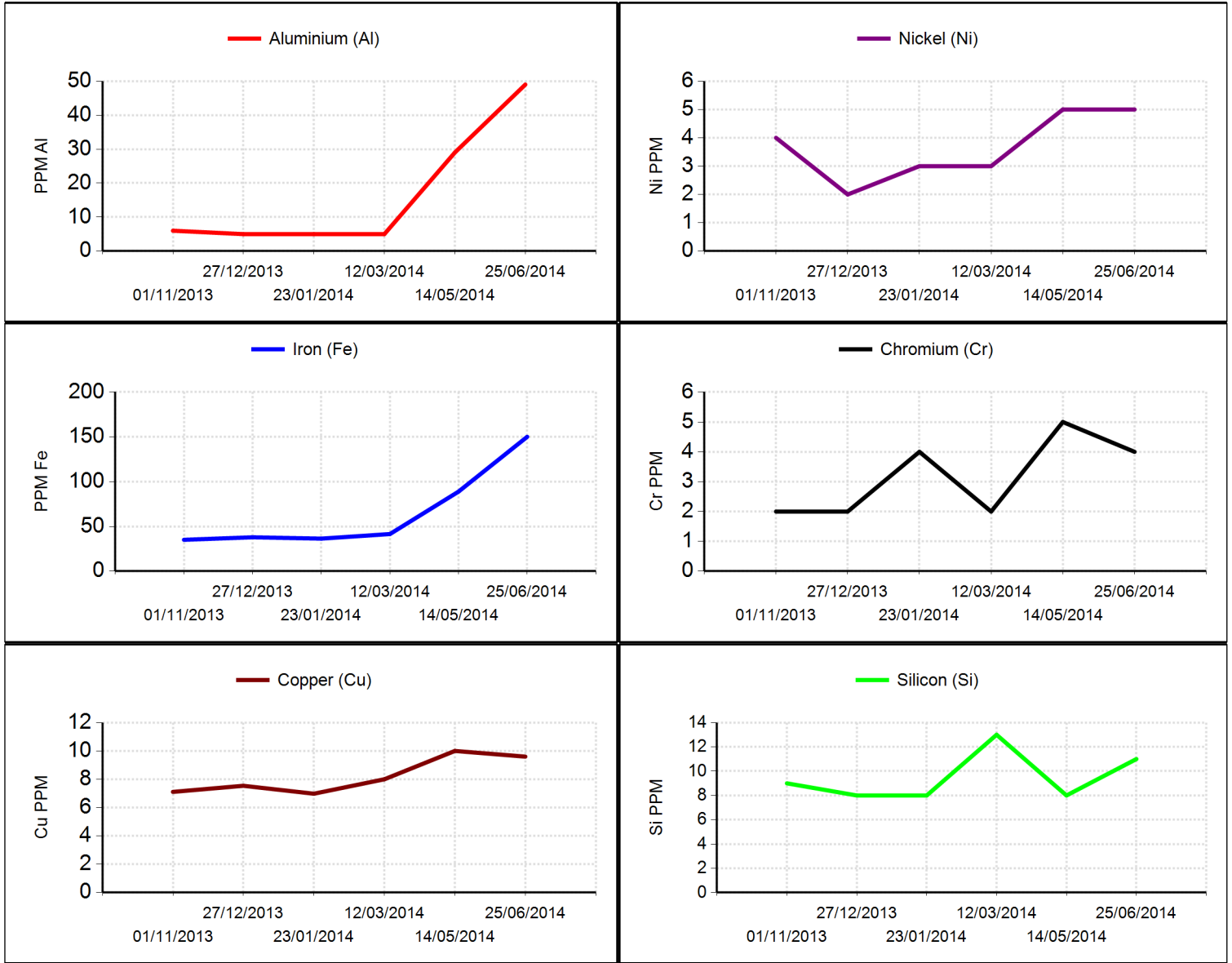
Sample No.	44150094226	44150094225	44150094224	44150094223	44150094222	44150094221
Date Sampled	25-Jun-14	14-May-14	12-Mar-14	23-Jan-14	27-Dec-13	01-Nov-13
Date Tested	30-Jun-14	20-May-14	19-Mar-14	29-Jan-14	31-Dec-13	06-Nov-13
Oil Brand	Shell	Shell	Shell	Shell	Shell	Shell
Oil Type	Aeroshell W	Aeroshell 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	22	50	55	45	50	48
Oil Added						
Hrs Since New	777	755	705	660	610	562
Rebuild Hrs	777	755	705	660	610	562
Metals (ppm)						
Aluminium (Al)	49	29	5	5	5	6
Iron (Fe)	150.10	88.90	41.50	36.40	37.90	35.10
Copper (Cu)	9.60	10.00	8.00	6.98	7.54	7.11
Nickel (Ni)	5	5	3	3	2	4
Chromium (Cr)	4	5	2	4	2	2
Silver (Ag)	<1	<1	<1	<1	<1	<1
Contaminants (ppm)						
Silicon (Si)	11	8	13	8	8	9

LEGEND



Sample No.	Diagnosis/Recommendations
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44150094226	Wear metal(s) high indicating possible piston/cylinder wear. Results reported by phone / fax / email.
44150094225	Wear metals increased for oil time. Check oil filter for chips. Resample 25 hours to monitor wear trend.
44150094224	All values appear normal.
44150094223	All values appear normal.
44150094222	All values appear normal.
44150094221	All values appear normal. Resample next oil change to 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.

Aviation Oil Analysis NA Parent
 Attn:
 3319 West Earll Drive
 Phoenix AZ 85017

TEST METHODS:

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