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<b>Customer Name:</b> SECURITY AVIATION (CA)	<b>Tail Number:</b> N257AE	<b>Comp Serial No:</b> L-25961-48A
<b>Address:</b> 3810 W. 120th St Hawthorne CA 90250 USA	<b>Aircraft Make:</b> Cessna	<b>Comp Name:</b> Single Engine
<b>Phone:</b> 310 978 1095	<b>Aircraft Model:</b> 182S	<b>Comp Make:</b> Lycoming
<b>Fax:</b> 3109781191	<b>Serial No:</b> 18280019	<b>Comp Model:</b> IO-540AB1A5
	<b>UIN:</b> 01E7FC9	

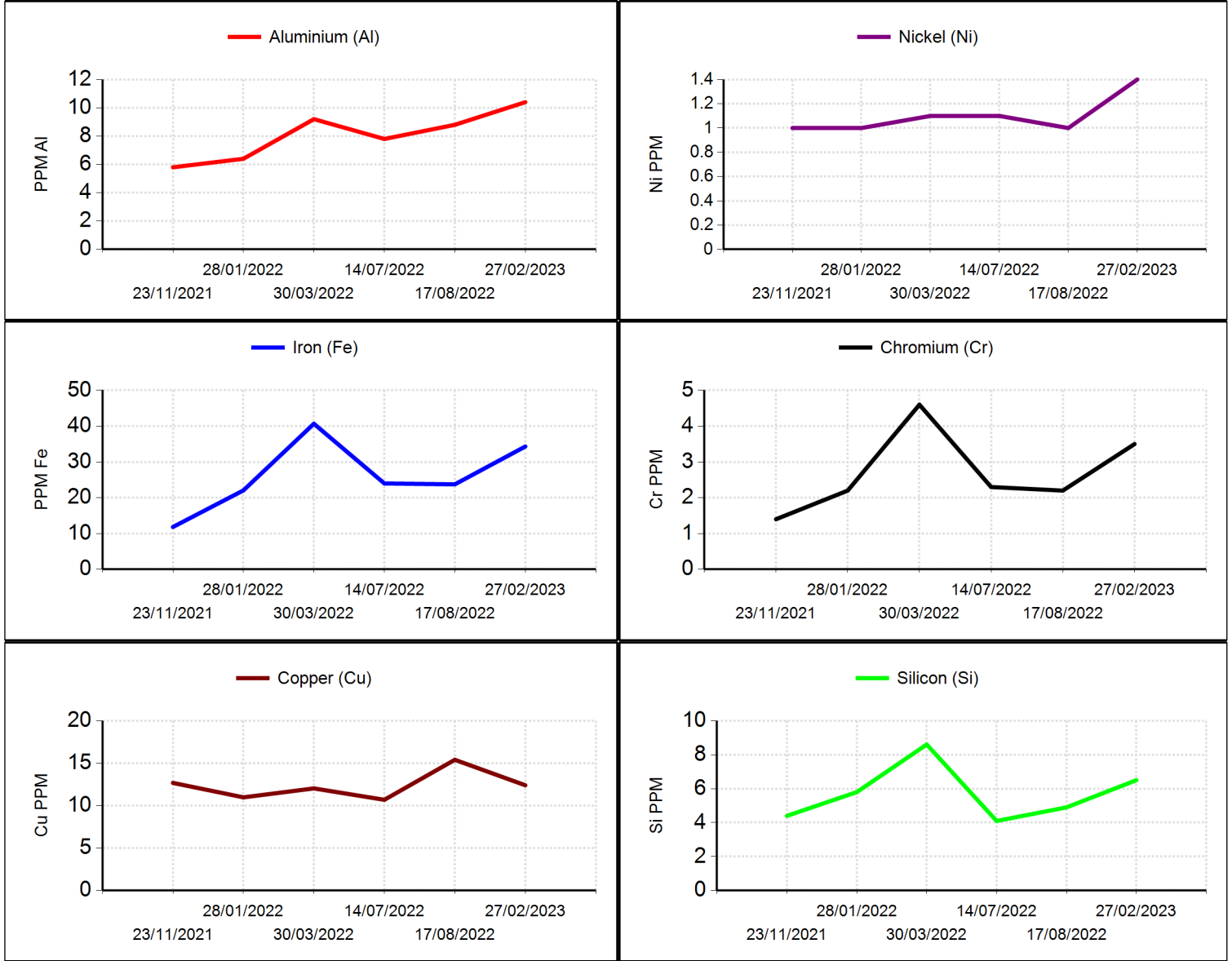
Sample No.	44150300453	44150287763	44150285241	44150277891	44150274239	44150270393
<b>SIF No.</b>	44518539	43051879	43051597	43049021	42088818	42066540
<b>Date Sampled</b>	27-Feb-23	17-Aug-22	14-Jul-22	30-Mar-22	28-Jan-22	23-Nov-21
<b>Date Tested</b>	09-Mar-23	24-Aug-22	20-Jul-22	11-Apr-22	10-Feb-22	02-Dec-21
<b>Oil Brand</b>	Shell	Shell	Shell	Shell	Shell	Shell
<b>Oil Type</b>	Aeroshell W100+	Aeroshell W100+	Aeroshell W100+	Aeroshell W100+	Aeroshell W100+	Aeroshell W100+
<b>Oil Grade</b>	SAE 50	SAE 50	SAE 50	SAE 50	SAE 50	SAE 50
<b>Oil Hrs</b>	58	37	27	16	26	43
<b>Oil Added</b>				2.0	3.0	
<b>Hrs Since New</b>	2143	2089	2097	1994	1977	1951
<b>Rebuild Hrs</b>						

<b>Metals (ppm)</b>						
Aluminium (Al)	10	9	8	9	6	6
Iron (Fe)	34.32	23.75	24.00	40.67	22.06	11.84
Copper (Cu)	12.40	15.40	10.69	12.03	10.98	12.68
Nickel (Ni)	1	<1	1	1	<1	<1
Chromium (Cr)	4	2	2	5	2	1
Silver (Ag)	<1	<1	<1	<1	<1	<1
<b>Contaminants (ppm)</b>						
Silicon (Si)	7	5	4	9	6	4

**LEGEND**



<b>Sample No.</b>	<b>Diagnosis/Recommendations</b>
44150300453	All values appear normal.
44150287763	All values appear normal.
44150285241	All values appear normal.
44150277891	All values appear normal.
44150274239	All values appear normal.
44150270393	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.*

Security Aviation (CA)  
 Attn: Chris Miller  
 3810 W. 120th St  
 Hawthorne CA 90250  
 USA

**TEST METHODS:**

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