



AOA

AVIATION OIL ANALYSIS

**YOUR AIRCRAFT.
OUR EXPERTISE.**

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Customer Name:	Tail Number: HB-YLL	Comp Serial No: L-24461-36A
Address:	Aircraft Make: Experimental	Comp Name: Single Engine
Phone:	Aircraft Model: RV-6	Comp Make: Lycoming
Fax:	Serial No:	Comp Model: O-360A1A
	UIN: 06F8C22	

	44150297679	44150291209	44150287071	44150284089	44150284248	44150282593
Sample No.	44150297679	44150291209	44150287071	44150284089	44150284248	44150282593
SIF No.	44516527	26429123	26429103	26429125	26429161	26415149
Date Sampled	12-Jan-23	28-Sep-22	28-Jul-22	01-Jul-22	15-Jun-22	25-May-22
Date Tested	23-Jan-23	06-Oct-22	12-Aug-22	06-Jul-22	07-Jul-22	16-Jun-22
Oil Brand	TotalEnergies	TotalEnergies	Phillips 66	TotalEnergies	TotalEnergies	TotalEnergies
Oil Type	Aero DM	Aero DM	XC Aviation MV	Aero DM	Aero DM	Aero DM
Oil Grade	SAE 15W50	SAE 15W50	SAE 20W50	SAE 15W50	SAE 20W60	SAE 15W50
Oil Hrs	50	47	57	48	29	45
Oil Added	1.0	1.0	1.0	1.0	1.0	2.0
Hrs Since New						
Rebuild Hrs	1520	1470	1372	1315	1268	1240
Metals (ppm)						
Aluminium (Al)	4	4	6	4	5	2
Iron (Fe)	16.34	12.67	32.80	12.07	7.76	8.15
Copper (Cu)	4.51	5.14	5.35	3.60	1.76	2.53
Nickel (Ni)	<1	<1	2	1	<1	<1
Chromium (Cr)	1	1	3	1	<1	<1
Silver (Ag)	<1	<1	<1	<1	<1	<1
Contaminants (ppm)						
Silicon (Si)	6	4	6	6	4	6

LEGEND

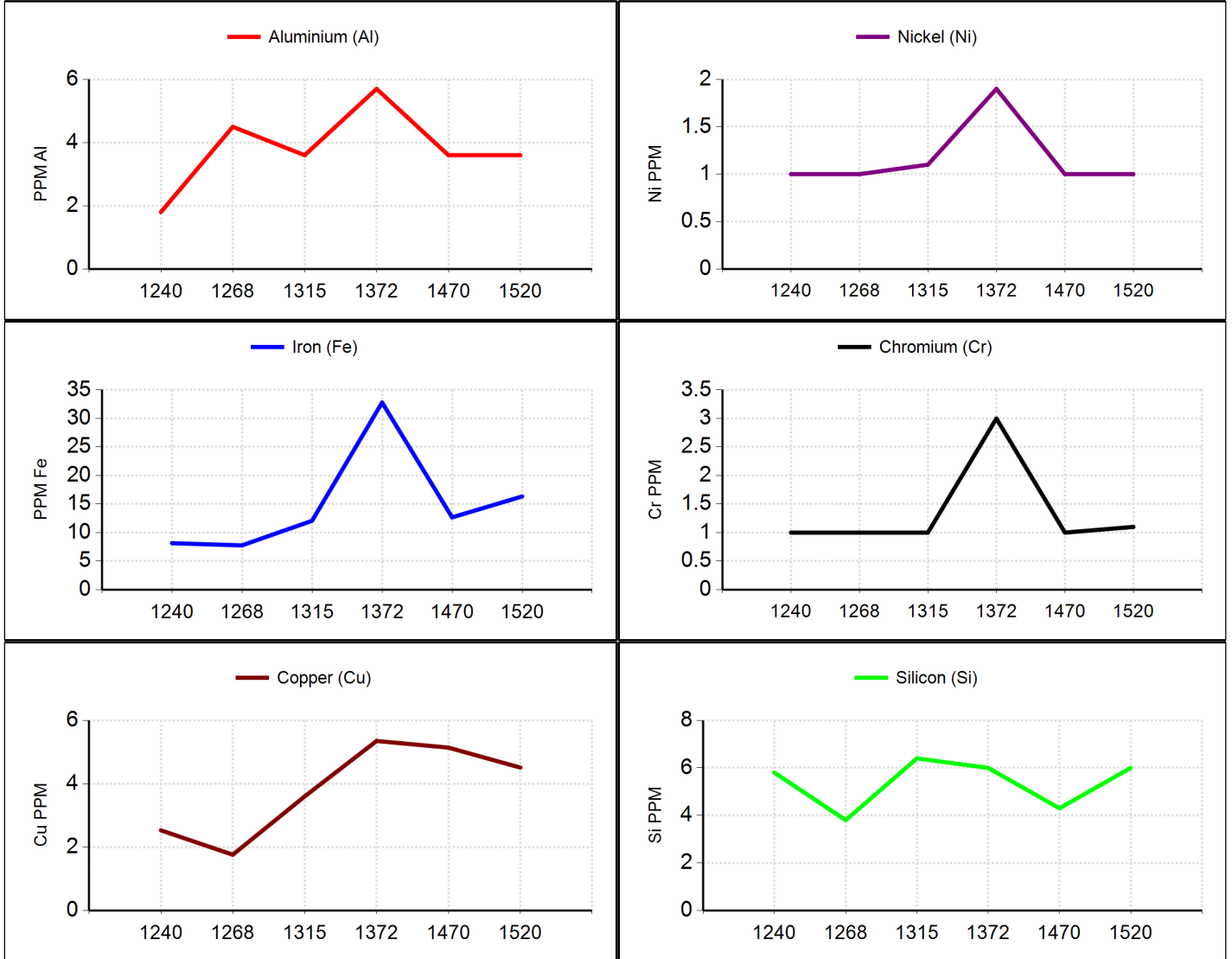
Severe

Abnormal

Caution

Normal

Sample No.	Diagnosis/Recommendations
44150297679	All values appear normal.
44150291209	All values appear normal.
44150287071	All values appear normal.
44150284089	All values appear normal.
44150284248	All values appear normal.
44150282593	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.

TEST METHODS:

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

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