

# EXXGARD

## O I L A N A L Y S I S

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<http://webtrieve.alstribology.com/>

<b>Customer Name:</b> XYZ Airlines	<b>Tail Number:</b> ZZZZZ1	<b>Comp Serial No:</b> X-12345-99x
<b>Address:</b> 1234 Aviation Circle Your City, USA	<b>Aircraft Make:</b> Cessna	<b>Comp Name:</b> Single Engine
<b>Phone:</b> (111) 999-9999	<b>Aircraft Model:</b> 172S	<b>Comp Make:</b> Lycoming
<b>Fax:</b> (111) 999-9998	<b>Serial No:</b>	<b>Comp Model:</b> XZ-123Z1X
	<b>UIN:</b> 01Z01AV	

<b>Sample No:</b>	44150092600	44150092600	44150092600	44150092600	44150092600	44150092600
<b>Date Sampled</b>	27-May-14	13-May-14	25-Apr-14	11-Apr-14	27-Apr-14	12-Mar-14
<b>Date Tested</b>	09-Jun-14	22-May-14	02-May-14	16-Apr-14	02-Apr-14	20-Mar-14
<b>Oil Brand</b>	Exxon	Exxon	Exxon	Exxon	Exxon	Exxon
<b>Oil Type</b>	Elite Aviation	Elite Aviation	Elite Aviation	Elite Aviation	Elite Aviation	Elite Aviation
<b>Oil Grade</b>	SAE 20W50	SAE 20W50	SAE 20W50	SAE 20W50	SAE 20W50	SAE 20W50
<b>Oil Hrs.</b>	50	50	50	50	50	50
<b>Oil Added</b>						
<b>Hrs. Since New</b>						
<b>Rebuild Hrs.</b>	1756					

<b>Metals(ppm)</b>						
<b>Aluminium (Fe)</b>	5	2	3	2	3	3
<b>Iron (Fe)</b>	11.27	5.64	7.84	5.87	10.68	9.61
<b>Copper (Cu)</b>	4.55	1.71	3.11	1.91	2.50	2.35
<b>Nickel (Ni)</b>	3	1	2	2	1	1
<b>Chromium (Cr)</b>	3	2	2	2	3	3
<b>Lead (Pb)</b>	5410.00	3400.00	3950.00	2816.00	4563.00	1722.00
<b>Silver (Ag)</b>	<1	<1	<1	<1	<1	<1
<b>Phosphorus (P)</b>	1190	810	898	830	1050	1043

<b>Contaminants (ppm)</b>						
<b>Silicon (Si)</b>	7	3	2	2	4	5
<b>Water (%)</b>	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

<b>Physical test</b>						
<b>Viscosity (cSt 100C)</b>	20.8	20.5	19.9	19.7	19.7	19.8

<b>Physical / Chemical</b>						
<b>Acid Number (mg KOH/g)</b>	2.83	2.96	2.29	1.92	3.06	2.37

**Current Sample Status:**

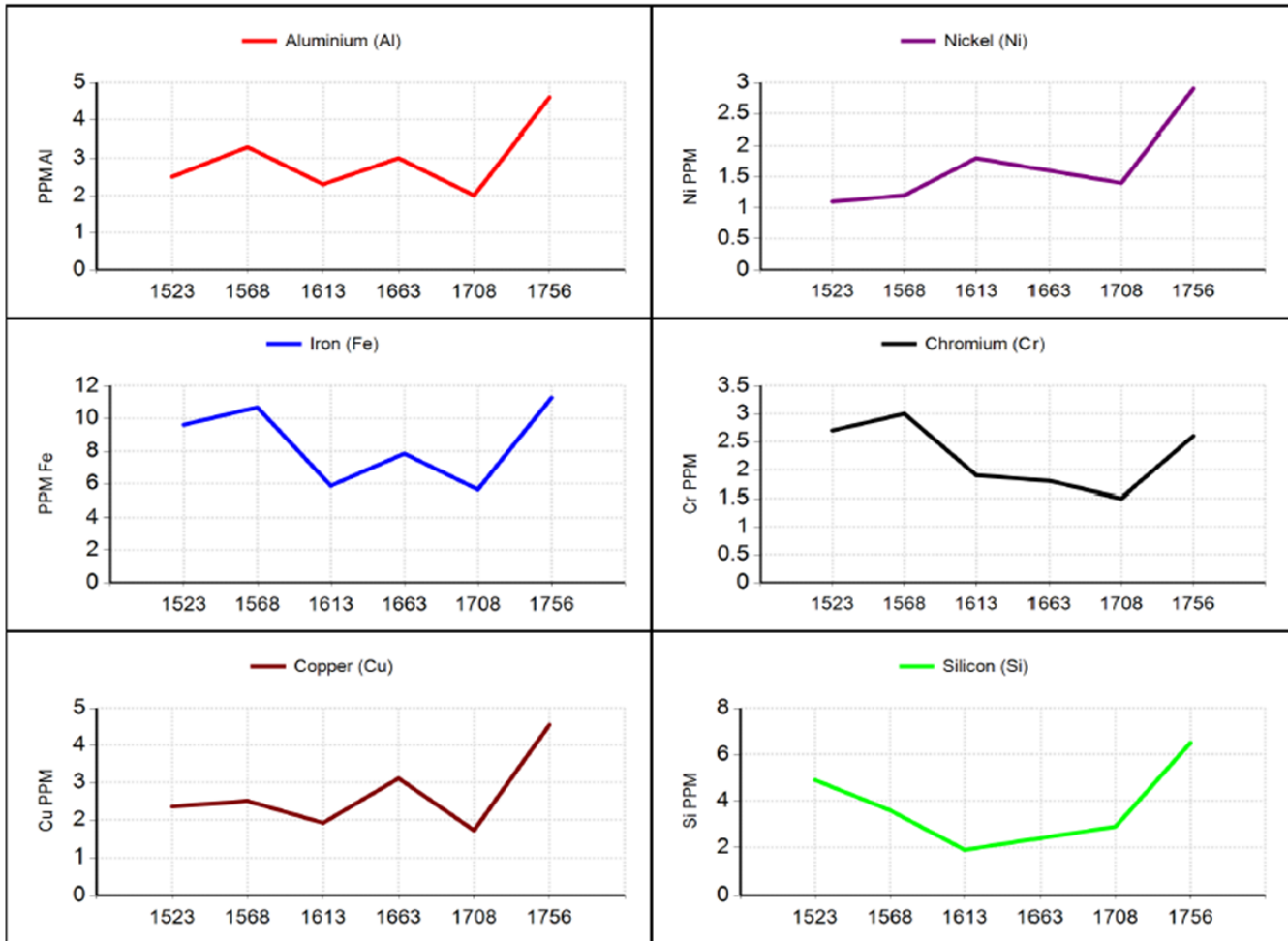


**LEGEND:** Normal Caution Abnormal Severe

Sample No:	Diagnosis/Recommendations
44150092600	All values appear normal.
44150091764	All values appear normal.
44150090425	All values appear normal.
44150089316	All values appear normal.
44150088529	All values appear normal.
44150087736	All values appear normal.

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## OIL ANALYSIS



*"This analysis report is depended upon the accurate completion of the sample submission sheet and correct sampling techniques as advised. The analysis is intended as an aid only in predicting mechanical wear and should not be regarded as a substitute for proper servicing or inspection. The company does not accept any liability whatsoever in respect of any loss or damage (including loss of profits, economic or other consequential loss or damage) however caused which may arise directly, or indirectly, as a result of the matters referred to in this analysis report."*

### TEST METHODS

Acid Number:	ASTM D974/D664
Metals by AA Spectro:	ASTM D6595
Viscosity	ASTM D445 / D7279
Water by Crackle:	ASTM E203 Mod / In House

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