





Phone:

Phoenix, Arizona 85017

Customer Name:

Address:

Lantana FL 33462

WINDWARD AVIATION

USA

Phone:

Fax:

Tail Number: N297DB

Aircraft Make: Cessna

Aircraft Model: 421C

Serial No:

UIN: 02C0544 Comp Serial No: 241032-R

Comp Name: Left Engine

Comp Make: Continental

Comp Model: GTSIO-520L

Sample Nº	44150057118	44150037345	44150032961
Date Samples	11-Oct-12	23-Dec-11	19-Oct-11
Date Tested	29-Oct-12	17-Jan-12	31-Oct-11
Oil Brand	Shell	Shell	Shell
Oil Type	AeroShell W100	AeroShell W100	AeroShell 100
Oil Grade	SAE 50	SAE 50	SAE 50
Oil Hrs	41	31	26
Oil Added			
Hrs Since New	5057	4990	
Rebuild Hrs	313	246	219
Metals (ppm)			
Aluminium (Al)	13	8	8
Iron (Fe)	33.75	32.93	34.54
Copper (Cu)	6.58	5.72	3.69
Nickel (Ni)	20	16	20
Chromium (Cr)	5	5	5
Silver (Ag)	<1	<1	<1
Contaminants (ppm)			
Silicon (Si)	6	6	5

LEGEND















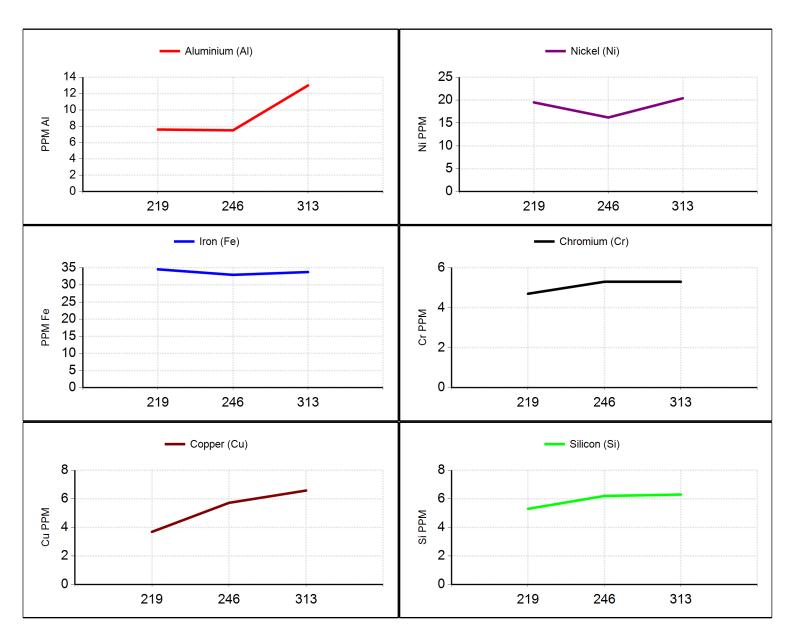
Diagnosis/Recommendations Sample Nº

44150057118 All values appear normal. 44150037345 All values appear normal.

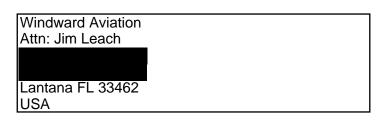
44150032961 All values appear normal. Resample next oil change to establish wear trend.







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.



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

0037 v1.1





Tail Number:

Aircraft Make:

Aircraft Model:

Serial No:



, Phoenix, Arizona 85017

N297DB

Cessna

02C0543

421C

Customer Name:

WINDWARD AVIATION

Address:

Lantana FL 33462

USA

Phone: 5619668668 Fax: 5619669880

UIN:

Comp Serial No: 246611R

Comp Name: Right Engine

Comp Make: Continental

Comp Model: GTSIO-520L

44150057119	44150037564	44150033191
11-Oct-12	23-Dec-11	19-Oct-11
29-Oct-12	19-Jan-12	31-Oct-11
Shell	Shell	Shell
AeroShell W100	AeroShell W100	AeroShell 100
SAE 50	SAE 50	SAE 50
41	31	26
2504	2422	
981	899	868
16	12	5
36.57	35.50	25.59
6.92	6.29	3.37
19	13	11
7	8	4
<1	<1	<1
5	4	2
	11-Oct-12 29-Oct-12 Shell AeroShell W100 SAE 50 41 2504 981 16 36.57 6.92 19 7 <1	11-Oct-12 23-Dec-11 29-Oct-12 19-Jan-12 Shell Shell AeroShell W100 SAE 50 41 31 2504 2422 981 899 16 12 36.57 35.50 6.92 6.29 19 13 7 8 <1

LEGEND















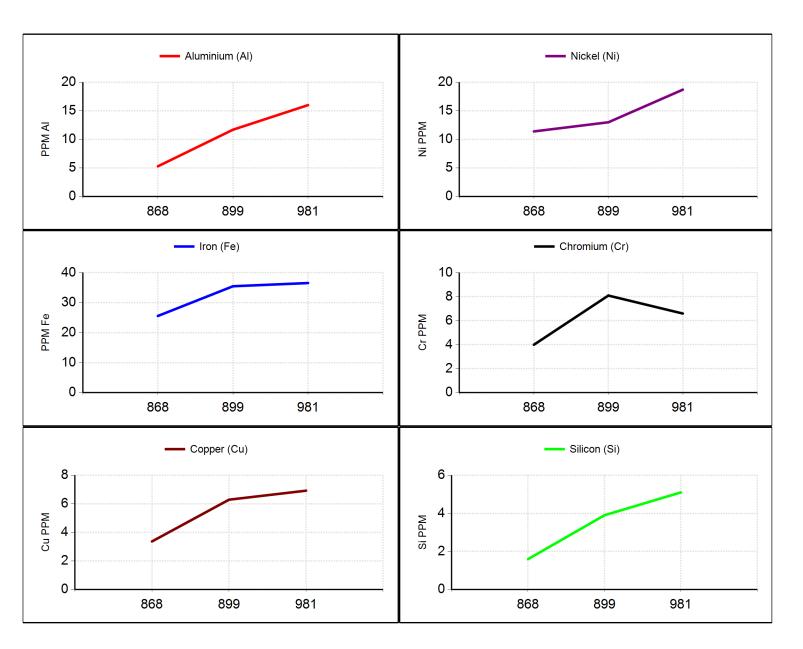
Diagnosis/Recommendations Sample Nº

44150057119 All values appear normal. 44150037564 All values appear normal.

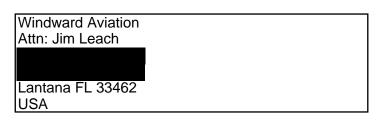
44150033191 All values appear normal. Resample next oil change to establish wear trend.







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TEST METHODS:

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

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