



AOA

AVIATION OIL ANALYSIS

YOUR AIRCRAFT.
OUR EXPERTISE.

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Customer Name: BEN'S MOTORWORKS

Address: 4119 W Commonwealth
Fullerton CA 92833
USA

Phone: 714 396 6090

Fax:

Tail Number: N6244P

Aircraft Make: Piper

Aircraft Model: PA24 250

Serial No:

UIN: 05D671B

Comp Serial No: L-805-40

Comp Name: Single Engine

Comp Make: Lycoming

Comp Model: IO-540AA1A

Sample No.	44150317671	44150159022
SIF No.	44560367	32237719
Date Sampled	06-Nov-23	01-May-17
Date Tested	13-Nov-23	15-May-17
Oil Brand	Shell	Shell
Oil Type	AeroShell W100	Aeroshell W
Oil Grade	SAE 50	SAE 15W50
Oil Hrs	4	41
Oil Added		
Hrs Since New	5198	5162
Rebuild Hrs	1913	1877

Metals (ppm)

Aluminium (Al)	5	15
Iron (Fe)	24.65	36.46
Copper (Cu)	5.21	8.36
Nickel (Ni)	1	2
Chromium (Cr)	4	10
Silver (Ag)	<1	<1

Contaminants (ppm)

Silicon (Si)	11	7
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LEGEND



Severe



Abnormal



Caution



Normal



Sample No.

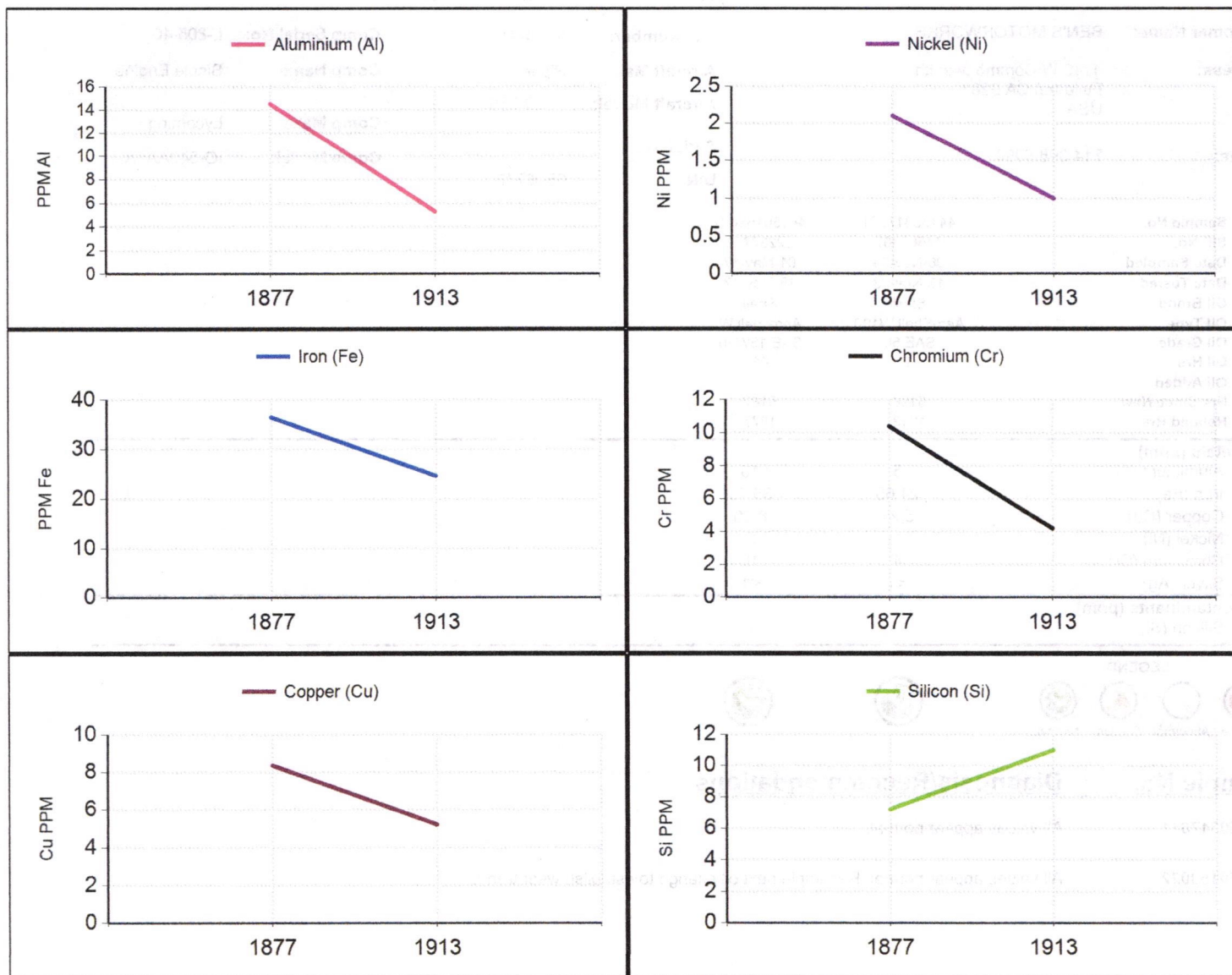
Diagnosis/Recommendations

44150317671

All values appear normal.

44150159022

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.

Ben's Motorworks
Attn: Ben Kellogg
2271 W Malvern Ave #384
Fullerton CA 92833
USA

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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