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Customer Name: LEGEND AVIATION

Address: 2020 Clubhouse Dr
Prescott AZ 86301
USA

Phone: 928 717 1680

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Tail Number: N57055

Aircraft Make: Mooney

Aircraft Model: M20K

Serial No:

UIN: 01F04B6

Comp Serial No: 316004

Comp Name: Single Engine

Comp Make: Continental

Comp Model: TSIO-360

Sample No.	44150222935	44150201198	44150166576	44110915905
Date Sampled	10-Dec-19	05-Feb-19	22-Aug-17	01-Mar-07
Date Tested	17-Dec-19	12-Feb-19	30-Aug-17	06-Mar-07
Oil Brand	Phillips 66	Phillips 66	Phillips 66	Shell
Oil Type	XC Aviation MV	XC Aviation MV	XC Aviation MV	AeroShell 100
Oil Grade	SAE 20W50	SAE 20W50	SAE 20W50	SAE 50
Oil Hrs	25		31	30
Oil Added				
Hrs Since New	3058			
Rebuild Hrs	999			195
Metals (ppm)				
Aluminium (Al)	8	5	10	7
Iron (Fe)	119.55	132.82	146.70	57.70
Copper (Cu)	2.30	3.16	4.41	7.20
Nickel (Ni)	6	8	14	2
Chromium (Cr)	6	10	14	5
Silver (Ag)	<1	<1	<1	<1
Contaminants (ppm)				
Silicon (Si)	7	7	11	6

LEGEND



Sample No. **Diagnosis/Recommendations**

44150222935	Wear metals appear high for oil time. Check oil filter for chips. Resample next oil change to check wear trend.
44150201198	Wear metal(s) improved since last sample. Wear metals appear high. Check oil filter for chips. Resample next oil change to check wear trend.
44150166576	Iron appears high. Possible corrosion if aircraft not flown regularly. Check oil filter for chips. Resample next oil change to check wear trend.
44110915905	All Values Appear Normal