



# OIL REPORT

LAB NUMBER: S248513  
 REPORT DATE: 7/2/2025  
 CODE: 20/1,193

UNIT ID: N96177  
 CLIENT ID: 246551  
 PAYMENT: CC: Visa

<b>UNIT</b>	MAKE/MODEL: Lycoming O-360-A1F6	OIL TYPE & GRADE: Aeroshell W100 (AD)
	FUEL TYPE: Gasoline (Leaded)	OIL USE INTERVAL: 43 Hours
	ADDITIONAL INFO: Cessna C177B, S/N: RL-25807-36A, Formerly N30915	

<b>CLIENT</b>	BRIAN SMITH	PHONE: (317) 213-0876
	LOW KEY FLYERS LLC	FAX:
	29524 FLYING CLOUD AVENUE	ALT PHONE:
	BIG PINE KEY, FL 33043	EMAIL: ba58smith@gmail.com

**COMMENTS**  
 BRIAN: It's all good news here. Metals are reading within good ranges and in a good balance to leave us with no concerns about how the engine's wearing parts are getting along. There's no contamination in the oil and even the viscosity is in grade. You can see the recent addition of CamGuard to this engine's diet in the higher calcium and phosphorus readings as of late, and that's fine. Looks good!

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	43	<b>UNIT / LOCATION AVERAGES</b>	29	35	2	<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	1,659		1,605	1,586	818	
	Sample Date	6/15/2025		10/1/2024	4/18/2024	10/5/2018	
	Make Up Oil Added	3.50 qts				0 qts	
ALUMINUM	10	8	10	9	4	6	
CHROMIUM	4	4	4	4	5	4	
IRON	47	36	43	25	30	27	
COPPER	4	3	4	2	1	6	
LEAD	3637	3167	4376	4114	540	3231	
TIN	2	2	2	2	0	1	
MOLYBDENUM	0	0	0	0	0	0	
NICKEL	2	2	3	2	1	2	
MANGANESE	0	0	0	0	0	0	
SILVER	0	0	0	0	0	0	
TITANIUM	0	0	0	0	0	0	
POTASSIUM	0	0	0	0	1	0	
BORON	1	1	1	2	0	1	
SILICON	5	5	5	3	5	6	
SODIUM	2	2	2	3	0	1	
CALCIUM	100	55	111	0	7	35	
MAGNESIUM	1	1	1	1	1	1	
PHOSPHORUS	467	361	249	723	4	584	
ZINC	5	4	6	3	1	7	
BARIUM	0	0	0	0	0	0	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	102.1	86-105	108.2	97.2	90.2
	cSt Viscosity @ 100°C	20.85	17.0-21.8	22.27	19.69	18.02
	Flashpoint in °F	550	>460	510	480	465
	Fuel %	<0.5	<1.0	<0.5	<0.5	<0.5
	Antifreeze %	-		-	-	-
	Water %	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.2	<0.6	0.2	0.3	0.2
	TBN					
	TAN					
	ISO Code					

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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