

OIL REPORT

LAB NUMBER: \$085838 **REPORT DATE:** 7/19/2024

CODE: 63/88

UNIT ID: N7805C-LH
CLIENT ID: 213358
PAYMENT: CC Online

LIN

MAKE/MODEL: Pratt & Whitney R-985

FUEL TYPE: Gasoline (Leaded)

ADDITIONAL INFO: Beech 18 Tradewind, S/N: 9691

OIL TYPE & GRADE: Aircraft Engine Oil

OIL USE INTERVAL: Hours

SCOTT HAGER

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ON CENTERLINE AVIATION 1700 BASSETT ST UNIT 2313

ALT PHONE:

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OMMENTS

SCOTT: It looks like this engine was well pickled, because there's no indication of corrosion in this sample. That would normally present as elevated iron and aluminum. In fact overall wear compares well with universal averages. Even better, it compares well with the right engine, which is a strong indicator neither one is showing mechanical trouble. There isn't much blow-by (lead), so it doesn't look this oil was in place very long, but that's fine. Silicon is likely harmless, but checking air filtration never hurts. The viscosity was a little thick (60-weight) for aircraft oil, so watch temps.

	MI/HR on Oil		LINUT /				
	MI/HR on Unit	508	I OCATION				UNIVERSAL AVERAGES
	Sample Date	6/13/2024					
	Make Up Oil Added						
N	ALUMINUM	5	4				6
MILLIO	CHROMIUM	2	2				6
▐	IRON	11	10				20
	COPPER	6	6				8
E	LEAD	437	353				1325
Д	TIN	1	1				1
ည	MOLYBDENUM	0	0				0
R	NICKEL	0	0				1
РА	MANGANESE	0	0				0
Z	SILVER	0	0				0
S	TITANIUM	0	0				0
ĭ	POTASSIUM	2	1				1
N N	BORON	0	1				0
ELEME	SILICON	17	16				6
Ë	SODIUM	1	2				1
	CALCIUM	2	3				3
	MAGNESIUM	3	3				2
	PHOSPHORUS	2	4	 	 		36
	ZINC	2	2				2
	BARIUM	0	0	 			0

Values Should Be*

SUS Viscosity @ 210°F	104.5				
cSt Viscosity @ 100°C	21.41				
Flashpoint in °F	500	>430			
Fuel %	<0.5	<1.0			
Antifreeze %	-				
Water %	0.0	0.0			
Insolubles %	0.3	<0.6			
TBN					
TAN					
ISO Code					

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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