



OIL REPORT

LAB NUMBER: S319184

UNIT ID: N328M-LH

REPORT DATE: 11/25/2025

CLIENT ID: 227720

CODE: 80/1,193

PAYMENT: CC: Visa

UNIT

MAKE/MODEL: Continental IO-550-C49B

FUEL TYPE: Gasoline (Leaded)

ADDITIONAL INFO: Beechcraft Baron 58, S/N: 1034576

OIL TYPE & GRADE: Phillips XC (A/C) 20W/50

OIL USE INTERVAL: 52 Hours

CLIENTJASON SMOKER
1600 WEST 26TH STREET
MARION, IN 46953

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COMMENTS

JASON: No surprises here -- this sample from the left engine looks just as good as its twin. No poor wear, contamination, or excess solids are present. The oil held up well, with the correct viscosity and low insolubles. Just keep doing what you're doing.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	52	UNIT / LOCATION AVERAGES	44	50	60	55	22	UNIVERSAL AVERAGES
	MI/HR on Unit	547		495	451	401	291	108	
	Sample Date	11/7/2025		10/16/2025	10/6/2025	9/12/2025	8/6/2025	5/11/2020	
	Make Up Oil Added	1 qt		1 qt	1 qt	3 qts	5 qts		
	ALUMINUM	3	8	4	6	8	13	12	7
	CHROMIUM	4	7	6	9	13	18	17	7
	IRON	17	29	21	27	40	57	43	40
	COPPER	4	5	4	4	6	7	5	4
	LEAD	3846	4763	4620	5134	5804	7390	3563	6315
	TIN	1	1	0	1	1	1	2	1
	MOLYBDENUM	2	4	3	4	6	10	8	3
	NICKEL	4	6	5	6	10	10	4	7
	MANGANESE	0	0	0	0	1	1	1	1
	SILVER	0	0	0	0	0	0	0	0
	TITANIUM	0	0	0	0	0	0	0	0
	POTASSIUM	0	1	0	1	0	0	0	0
	BORON	1	1	0	1	1	2	1	1
	SILICON	3	6	3	4	5	6	11	6
	SODIUM	2	1	1	1	2	2	1	1
	CALCIUM	1	3	1	1	2	1	3	11
	MAGNESIUM	0	1	0	0	0	0	1	0
	PHOSPHORUS	1	328	2	1	2	3	5	422
	ZINC	1	4	2	2	2	3	3	3
	BARIUM	0	0	0	0	0	0	0	0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	92.4	86-105	91.8	95.1	96.3	94.5	89.8
	cSt Viscosity @ 100°C	18.56	17.0-21.8	18.41	19.19	19.49	19.06	17.94
	Flashpoint in °F	445	>430	465	475	480	7480	495
	Fuel %	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5
	Antifreeze %	-		-	-	-	-	-
	Water %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.4	<0.6	0.3	0.4	0.5	0.3	0.3
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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