



OIL REPORT

LAB NUMBER: S319064

UNIT ID: N328M-RH

REPORT DATE: 11/25/2025

CLIENT ID: 227720

CODE: 80/1,193

PAYMENT: CC: Visa

UNIT

MAKE/MODEL: Continental IO-550-C49B

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

FUEL TYPE: Gasoline (Leaded)

OIL USE INTERVAL: 52 Hours

ADDITIONAL INFO: Beech Baron 58, S/N: 1034605, 1034578

CLIENTJASON SMOKER
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EMAIL: jmsmoker1600@gmail.com**COMMENTS**

JASON: We've got two more clean reports to pass along for N328M, one for each of its engines. Wear metals are generally a little lower here on the right side, but both engines appear to be wearing really well. The oil tested well, maintaining its 20W/50 viscosity. There's no contamination to note, and insolubles at 0.4% show that the oil didn't get too oxidized. Good report.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	52	UNIT / LOCATION AVERAGES	44	50	60	55	25	UNIVERSAL AVERAGES
	MI/HR on Unit	547		495	451	401	291		
	Sample Date	11/7/2025		10/16/2025	10/6/2025	9/12/2025	8/6/2025	3/10/2022	
	Make Up Oil Added	1 qt		1 qt	1 qt	1 qt	6 qts		
	ALUMINUM	4		5	7	10	16	4	
	CHROMIUM	2		4	6	10	17	4	
	IRON	14		18	24	38	68	16	
	COPPER	3		4	5	8	8	2	
	LEAD	3724		4369	4974	6237	7918	1322	
	TIN	0		0	1	1	1	0	
	MOLYBDENUM	2		3	4	5	9	2	
	NICKEL	1		2	3	6	8	1	
	MANGANESE	0		0	0	0	1	0	
	SILVER	0		0	0	0	0	0	
	TITANIUM	0		0	0	0	0	0	
	POTASSIUM	0		0	0	0	0	0	
	BORON	1		1	1	1	1	2	
	SILICON	3		3	4	5	6	6	
	SODIUM	1		1	1	1	1	1	
	CALCIUM	0		0	0	1	1	1	
	MAGNESIUM	0		0	0	0	1	0	
	PHOSPHORUS	2		1	1	3	4	215	
	ZINC	2		2	3	5	9	6	
	BARIUM	0		0	0	0	0	0	

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	92.1	86-105	89.8	97.2	92.2	92.0	92.2
	cSt Viscosity @ 100°C	18.48	17.0-21.8	17.92	19.69	18.50	18.47	18.50
	Flashpoint in °F	450	>430	490	480	470	435	445
	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	0.4	0.4	0.5	0.4	0.2
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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