



OIL REPORT

LAB NUMBER: S233991
REPORT DATE: 6/3/2025
CODE: 20/1,193

UNIT ID: N32CD
CLIENT ID: 156027
PAYMENT: CC: MC

UNIT	MAKE/MODEL: Continental IO-360-ES	OIL TYPE & GRADE: Phillips 66 Victory AW 20W/50 (AD)
	FUEL TYPE: Gasoline (Leaded)	OIL USE INTERVAL: 25 Hours
	ADDITIONAL INFO: Cirrus SR20, S/N 357969, Formerly N923TL	

CLIENT	DAVID WILLIAMSON	PHONE: (609) 575-0416
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	MILLSTONE TOWNSHIP, NJ 08510	ALT PHONE:
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COMMENTS	DAVID: The metals look about the same as last time, which we're taking as good news for this engine considering this oil run was a bit longer than the last one was. Not that metals were high last time, but they were higher than they are here, at least when you look at the amount of metal that was generated with each hour of use. These metal counts look great, so we have no concerns to pass on for this IO-360. No contamination turned up and the oil itself tested well physically, too. Very nice!
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ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	25	UNIT / LOCATION AVERAGES	7	6	87	42	UNIVERSAL AVERAGES
	MI/HR on Unit	194		299	289	264	1,401	
	Sample Date	5/12/2025		5/14/2024	9/7/2022	2/12/2019	3/12/2015	
	Make Up Oil Added	0 qts		0 qts		0 qts		
	ALUMINUM	7	9	6	19	5	7	5
	CHROMIUM	5	9	5	14	5	14	7
	IRON	24	68	23	64	32	198	47
	COPPER	3	8	3	4	3	26	5
	LEAD	1883	2255	1010	1735	1128	5518	4847
	TIN	0	2	3	1	0	5	1
	MOLYBDENUM	4	5	3	8	2	8	3
	NICKEL	2	5	2	4	1	16	8
	MANGANESE	0	1	0	1	1	4	1
	SILVER	0	0	0	0	0	0	0
	TITANIUM	0	0	0	0	0	0	0
	POTASSIUM	0	0	0	0	1	1	0
	BORON	1	1	4	1	0	1	1
	SILICON	3	7	6	7	8	9	8
	SODIUM	1	1	1	1	2	0	2
	CALCIUM	7	21	97	1	1	1	28
	MAGNESIUM	2	1	1	1	0	1	1
	PHOSPHORUS	1020	950	1423	16	1302	991	405
	ZINC	6	19	70	3	3	11	9
	BARIUM	0	0	0	0	0	0	0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	101.3	85-105	97.6	91.1	88.5	91.0
	cSt Viscosity @ 100°C	20.66	16.8-21.8	19.80	18.25	17.61	18.22
	Flashpoint in °F	460	>440	480	480	500	460
	Fuel %	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5
	Antifreeze %	-		-	-	-	-
	Water %	0.0	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.4	<0.6	0.2	0.2	0.2	0.4
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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