



OIL REPORT

LAB NUMBER: S148444

UNIT ID: N882CD

REPORT DATE: 11/21/2024

CLIENT ID: 173474

CODE: 20/68

PAYMENT: CC: AmEx (Bulk)

UNIT

MAKE/MODEL: Continental IO-550-N7
FUEL TYPE: Gasoline (Leaded)
ADDITIONAL INFO: Cirrus SR22, S/N: 686348, 0295

OIL TYPE & GRADE: Phillips XC (A/C) 20W/50
OIL USE INTERVAL: 27 Hours

CLIENT

JON MILBY
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COMMENTS

JON: Aluminum and molybdenum were high in the last sample, and we're happy to find them much lower this time around. Low aluminum (piston) and moly (piston coating) show less upper end wear than last time, and we hope they stay closer to average as trends continue for Two-Charlie-Delta. Other metals are fine after 26.5 hours on the oil, and no excess fuel or water contamination is present. Excellent report!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	27	UNIT / LOCATION AVERAGES	46	12	30	48	33	UNIVERSAL AVERAGES
	MI/HR on Unit	1,736		1,639	1,639	1,585	1,555	1,420	
	Sample Date	10/30/2024		8/30/2023	12/6/2022	10/22/2021	8/26/2021	9/17/2020	
	Make Up Oil Added								
	ALUMINUM	2		20	12	2	3	7	
	CHROMIUM	1		5	3	1	1	4	
	IRON	16		69	78	19	28	92	
	COPPER	2		3	3	3	3	5	
	LEAD	2835		4571	2719	2945	3697	3833	
	TIN	1		1	1	1	0	1	
ELEMENTS IN PARTS PER MILLION	MOLYBDENUM	0	UNIT / LOCATION AVERAGES	5	2	0	0	3	UNIVERSAL AVERAGES
	NICKEL	1		4	3	1	2	5	
	MANGANESE	0		1	1	0	0	1	
	SILVER	0		0	0	0	0	0	
	TITANIUM	0		0	0	0	0	0	
	POTASSIUM	0		0	0	0	0	0	
	BORON	0		3	0	1	0	0	
	SILICON	2		5	6	6	9	7	
	SODIUM	1		2	2	2	1	2	
	CALCIUM	88		28	138	92	12	100	
	MAGNESIUM	1		1	1	0	0	1	
	PHOSPHORUS	1215		602	237	180	18	850	
	ZINC	8		4	6	6	3	11	
	BARIUM	0		0	0	0	0	0	

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	92.2	86-105	92.1	90.1	88.1	89.7	88.3
	cSt Viscosity @ 100°C	18.52	17.0-21.8	18.48	18.00	17.52	17.91	17.57
	Flashpoint in °F	495	>430	435	460	470	450	485
	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 %	0.3	<0.6	0.3	0.2	0.2	0.3	0.4
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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