



OIL REPORT

LAB NUMBER: R26950
 REPORT DATE: 7/3/2023
 CODE: 20/88

UNIT ID: N263DD
 CLIENT ID: 149708
 PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Continental TSIO-550-K1B	OIL TYPE & GRADE: Phillips XC (A/C) 20W/50
	FUEL TYPE: Gasoline (Leaded)	OIL USE INTERVAL: 21 Hours
	ADDITIONAL INFO: Cirrus SR22T, E/N: 1007315, S/N: 0410	

CLIENT	DANIELLE FORREST	PHONE: (630) 338-3833
	CHICAGO AVIATION SERVICES	FAX:
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COMMENTS DANIELLE: Silicon is a little high this time. If the engine got new gaskets or if any silicone lubes were used since the last sample, then silicon isn't a concern. It could show dirt so make sure the air filter and intake plumbing are okay. Look for cracks and leaks that might let unfiltered air into the engine, just as a precaution. Wear metals look good. Iron is lower on a per-hour basis, so steel parts didn't leave as much metal behind as last time. Hopefully it stays in line with averages like this as trends continue for N263DD's engine. No excess fuel or water was detected.

	MI/HR on Oil	21	UNIT / LOCATION AVERAGES	24	33	7	9	21	UNIVERSAL AVERAGES
	MI/HR on Unit	622		600	547	514	488	478	
	Sample Date	6/14/2023		8/2/2022	8/4/2020	5/13/2020	4/26/2019	10/8/2018	
	Make Up Oil Added								
ELEMENTS IN PARTS PER MILLION	ALUMINUM	8	5	8	5	4	5	14	7
	CHROMIUM	14	18	14	15	8	9	17	21
	IRON	78	53	96	68	34	41	88	74
	COPPER	7	11	4	6	3	5	10	11
	LEAD	5084	7003	4702	7345	3038	3483	6223	7438
	TIN	1	1	1	1	0	3	1	2
	MOLYBDENUM	4	7	3	3	1	1	2	7
	NICKEL	24	18	23	17	12	15	24	27
	MANGANESE	2	1	1	1	0	1	1	1
	SILVER	0	0	0	0	0	0	0	0
	TITANIUM	1	1	1	1	0	0	1	1
	POTASSIUM	0	0	0	0	0	0	0	0
	BORON	1	1	1	0	1	0	1	1
	SILICON	12	7	4	3	4	3	4	8
	SODIUM	1	1	1	1	1	2	1	2
	CALCIUM	2	3	1	2	2	6	6	26
	MAGNESIUM	1	0	0	1	0	0	0	1
	PHOSPHORUS	13	183	27	264	135	1197	1158	211
	ZINC	5	5	3	3	2	4	5	5
BARIUM	0	0	0	0	0	0	0	0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	90.1	86-105	94.8	93.0	90.1	88.5	97.0
	cSt Viscosity @ 100°C	18.01	17.0-21.8	19.13	18.69	18.01	17.62	19.66
	Flashpoint in °F	490	>430	460	480	460	480	470
	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	0.3	0.2	0.2
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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