



OIL REPORT

LAB NUMBER: P68436
 REPORT DATE: 5/3/2022
 CODE: 20/68

UNIT ID: N217JK
 CLIENT ID: 69529
 PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Continental TSIO-550-K	OIL TYPE & GRADE: Phillips XC (A/C) 20W/50
	FUEL TYPE: Gasoline (Leaded)	OIL USE INTERVAL: 47 Hours
	ADDITIONAL INFO: Cirrus SR22T, S/N: 0932, E/N: 1037259	

CLIENT	RYAN YENGER	PHONE: (888) 566-3686
	LONE MOUNTAIN AIRCRAFT MAINTENANCE	FAX:
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	LEBANON, OH 45036	EMAIL: ryan@lonemtn.com, ryenger@lonemtn.com

COMMENTS RYAN: We like what we're seeing in the latest sample from this Cirrus. Wear metals are only slightly higher than they were in the last sample, and this oil was in place longer, so parts seem to be getting along without trouble. There's no harmful contamination here to make note of, and insolubles are within limits at 0.4%, which shows the oil filter did a good job limiting solids from heat, use, and blow-by. Excellent report! Just keep up the good work with N217JK.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	47	UNIT / LOCATION AVERAGES	39	50	41	39	35	UNIVERSAL AVERAGES
	MI/HR on Unit	942		894	855	814	774	735	
	Sample Date	4/21/2022		3/3/2022	2/2/2022	12/22/2021	10/21/2021	9/24/2021	
	Make Up Oil Added					0 qts			
ALUMINUM	3	6	2	3	3	3	3	5	6
CHROMIUM	13	23	12	12	16	18	18	18	22
IRON	41	69	37	38	47	50	49	49	71
COPPER	5	14	5	5	7	8	9	9	14
LEAD	8018	7777	8656	7999	8107	8723	6720	7390	7390
TIN	0	2	2	0	2	1	1	1	2
MOLYBDENUM	4	9	4	4	5	6	6	6	8
NICKEL	22	23	16	15	17	17	20	23	23
MANGANESE	1	1	1	1	1	1	1	1	1
SILVER	0	0	0	0	0	0	0	0	0
TITANIUM	1	1	1	0	1	1	1	1	1
POTASSIUM	0	0	0	0	0	0	0	0	0
BORON	2	1	0	0	1	0	1	1	1
SILICON	3	7	3	4	6	6	10	8	8
SODIUM	2	1	1	1	2	1	1	1	1
CALCIUM	0	11	0	1	0	1	1	22	22
MAGNESIUM	0	1	0	0	0	0	0	1	1
PHOSPHORUS	2	76	1	2	0	1	1	177	177
ZINC	2	8	2	2	2	2	3	7	7
BARIUM	0	0	0	0	0	0	0	0	0

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	90.4	86-105	85.4	90.8	91.7	92.2	94.7
	cSt Viscosity @ 100°C	18.07	17.0-21.8	16.85	18.17	18.38	18.51	19.10
	Flashpoint in °F	450	>430	450	445	465	460	455
	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	0.4	0.5	0.6
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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