



OIL REPORT

LAB NUMBER: K77687 UNIT ID: N779LB
 REPORT DATE: 12/12/2018 CLIENT ID: 63582
 CODE: 20/32 PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Continental IO-550-N47	OIL TYPE & GRADE: Aeroshell W100 Plus (AD)
	FUEL TYPE: Gasoline (Leaded)	OIL USE INTERVAL: 22 Hours
	ADDITIONAL INFO: Cirrus SR 22, S/N: 1032315	

CLIENT	CHUCK	PHONE: (808) 276-0632
	CENTURION AIR MAINTENANCE INC	FAX:
	3950 KALAI WAA ST	ALT PHONE:
	APT J-201	EMAIL: cguyton65@gmail.com, guytonchuko@aol.com
	KIHEI, HI 96753	

COMMENTS CHUCK: Not a lot to cover in this report, but lead is worth a mention. Lead is mostly from fuel blow-by, and this level is a bit high for the hours on the oil. Considering wear numbers are still in good shape, particularly chrome (ring wear), we doubt lead is a sign of trouble. Usually, a change in flight pattern or leaning practices will cause more lead to show up, so we'll just keep an eye on that in the next report. Oil filtration was able to keep up, based on the low insolubles, and there's no contamination to sort out. Nice report, overall.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	22	UNIT / LOCATION AVERAGES	18	24	30	21	35	UNIVERSAL AVERAGES
	MI/HR on Unit	1,707		1,568	1,424	1,328	1,251	1,154	
	Sample Date	12/3/2018		9/10/2018	7/2/2018	5/29/2018	4/12/2018	2/14/2018	
	Make Up Oil Added	3 qts		3 qts	5 qts	4 qts	3 qts	4 qts	
ALUMINUM	2	2	2	2	2	2	2	19	6
CHROMIUM	4	6	2	3	3	3	3	9	10
IRON	17	21	14	14	16	15	34	49	
COPPER	2	2	2	1	1	1	3	5	
LEAD	7604	7262	5406	6595	7497	5753	8437	7022	
TIN	2	1	0	1	1	1	1	1	1
MOLYBDENUM	2	3	1	1	2	1	5	4	
NICKEL	2	3	2	2	2	2	4	13	
MANGANESE	1	0	0	0	0	0	1	1	
SILVER	0	0	0	0	0	0	0	0	
TITANIUM	0	0	0	0	0	0	0	0	
POTASSIUM	0	1	0	0	0	0	0	1	
BORON	0	1	0	0	1	1	0	1	
SILICON	4	5	4	5	5	6	17	5	
SODIUM	1	1	1	1	1	1	1	1	
CALCIUM	1	0	1	1	0	0	1	16	
MAGNESIUM	0	0	0	0	0	0	0	1	
PHOSPHORUS	1310	1119	1208	1176	1215	1133	1290	556	
ZINC	2	2	2	1	2	0	2	3	
BARIUM	0	0	0	0	0	0	0	0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	91.0	86-105	91.6	92.5	90.5	87.8	88.4
	cSt Viscosity @ 100°C	18.23	17.0-21.8	18.37	18.58	18.09	17.44	17.60
	Flashpoint in °F	475	>460	475	455	450	440	445
	Fuel %	<0.5	<1.0	<0.5	TR	0.5	1.0	0.8
	Antifreeze %	-		-	-	-	-	-
	Water %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.3	<0.6	0.5	0.4	0.6	0.5	0.5
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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