



OIL REPORT

LAB NUMBER: H83597 UNIT ID: N736YB
 REPORT DATE: 10/11/2016 CLIENT ID: 88231
 CODE: 20/32 PAYMENT: CC: AmEx

UNIT	MAKE/MODEL: Continental IO-360-KB2	OIL TYPE & GRADE: Aeroshell 15W/50
	FUEL TYPE: Gasoline (Leaded)	OIL USE INTERVAL: 21 Hours
	ADDITIONAL INFO: Cessna R172K, Hawk S/N 288684-R	

CLIENT	JAMES CARLSON	PHONE: (978) 873-0507
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COMMENTS
 JAMES: We've never had much to complain about with this Cessna, and that's never been truer than this report. Wear metals are incredibly low, even for the shorter oil run of about 21 hours. No measurable fuel turned up, and the other physical properties are within spec as well. Blow-by (lead) is right where it should be for the oil change interval. Flawless at 782.8 hours since new!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	21	UNIT / LOCATION AVERAGES	26	52	UNIVERSAL AVERAGES
	MI/HR on Unit	783		763	739	
	Sample Date	9/5/2016		5/13/2016	9/8/2015	
	Make Up Oil Added	1 qt		1 qt	1 qt	
ALUMINUM	2	4	4	6	6	
CHROMIUM	1	2	3	3	7	
IRON	17	33	38	45	34	
COPPER	2	2	2	3	4	
LEAD	2991	4521	4096	6477	2865	
TIN	0	0	0	1	1	
MOLYBDENUM	1	2	2	2	1	
NICKEL	1	2	3	3	3	
MANGANESE	0	1	1	1	0	
SILVER	0	0	0	0	0	
TITANIUM	0	0	0	0	0	
POTASSIUM	2	1	0	1	1	
BORON	0	1	3	1	1	
SILICON	4	4	4	3	14	
SODIUM	2	2	2	2	2	
CALCIUM	0	1	1	2	39	
MAGNESIUM	2	1	1	0	1	
PHOSPHORUS	1093	1088	1157	1013	925	
ZINC	3	5	6	5	8	
BARIUM	0	0	0	0	0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	85.1	82-105	86.7	94.3
	cSt Viscosity @ 100°C	16.78	16.0-21.8	17.17	19.00
	Flashpoint in °F	470	>440	430	445
	Fuel %	<0.5	<1.0	0.5	<0.5
	Antifreeze %	-		-	-
	Water %	0.0	<0.1	0.0	0.0
	Insolubles %	0.2	<0.6	0.3	0.3
	TBN				
	TAN				
	ISO Code				

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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