



OIL REPORT

LAB NUMBER: J38451
 REPORT DATE: 6/15/2017
 CODE: 20/32

UNIT ID: N736YB
 CLIENT ID: 88231
 PAYMENT: CC: AmEx

UNIT	MAKE/MODEL: Continental IO-360-KB2B	OIL TYPE & GRADE: Aeroshell 15W/50
	FUEL TYPE: Gasoline (Leaded)	OIL USE INTERVAL: 20 Hours
	ADDITIONAL INFO: Cessna R172K, Hawk S/N 288684-R, R1722884	

CLIENT	JAMES CARLSON	PHONE: (978) 873-0507
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COMMENTS
 JAMES: Wear metals are up slightly from the last report, but really the last results were exceptional in nature, so we weren't too shocked to see them increase slightly. Wear metals are still low enough to show nothing is out of line with N736YB. No contamination or filtration issues stand out, and really our only recommendation is to keep up the good work and enjoy the views over North Andover this summer.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	20	UNIT / LOCATION AVERAGES	21	26	52	UNIVERSAL AVERAGES
	MI/HR on Unit	801		783	763	739	
	Sample Date	3/30/2017		9/5/2016	5/13/2016	9/8/2015	
	Make Up Oil Added	1 qt		1 qt	1 qt	1 qt	
ALUMINUM	4	4	2	4	6	6	
CHROMIUM	3	3	1	3	3	6	
IRON	29	32	17	38	45	38	
COPPER	3	3	2	2	3	5	
LEAD	3043	4152	2991	4096	6477	3295	
TIN	0	0	0	0	1	2	
MOLYBDENUM	2	2	1	2	2	3	
NICKEL	3	3	1	3	3	2	
MANGANESE	0	1	0	1	1	1	
SILVER	0	0	0	0	0	0	
TITANIUM	0	0	0	0	0	0	
POTASSIUM	0	1	2	0	1	1	
BORON	1	1	0	3	1	1	
SILICON	4	4	4	4	3	12	
SODIUM	1	2	2	2	2	1	
CALCIUM	1	1	0	1	2	13	
MAGNESIUM	1	1	2	1	0	2	
PHOSPHORUS	1259	1131	1093	1157	1013	982	
ZINC	5	5	3	6	5	6	
BARIUM	0	0	0	0	0	0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	88.0	82-105	85.1	86.7	94.3
	cSt Viscosity @ 100°C	17.50	16.0-21.8	16.78	17.17	19.00
	Flashpoint in °F	495	>440	470	430	445
	Fuel %	<0.5	<1.0	<0.5	0.5	<0.5
	Antifreeze %	-		-	-	-
	Water %	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.2	<0.6	0.2	0.3	0.3
	TBN					
	TAN					
	ISO Code					

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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