



OIL REPORT

LAB NUMBER: H49182
 REPORT DATE: 5/6/2016
 CODE: 1/37

UNIT ID: N367CP
 CLIENT ID: 13132
 PAYMENT: CC: Visa (Bulk)

UNIT	MAKE/MODEL: Continental IO-550-N51	OIL TYPE & GRADE: Phillips XC (A/C) 20W/50
	FUEL TYPE: Gasoline (Leaded)	OIL USE INTERVAL: 26 Hours
	ADDITIONAL INFO: Cirrus SR22T, E/N 691747, S/N: 305D	

CLIENT	GEORGE HOVEY	PHONE: (419) 753-2384
	HOVEY'S AVIATION	FAX: (419) 753-2384
	07776 E ST RT 219	ALT PHONE:
	NEW KNOXVILLE, OH 45871	EMAIL: hoveysaviation@aol.com

COMMENTS GEORGE: IO-550's just don't have the reputation around here of putting up great wear numbers all the time, but they must have broke the mold when they made this one. These wear trends have been quite nice overall, with just mild fluctuations here and there, but certainly not the type of erratic trends we often see from this engine. No contamination was found. We're not sure what your secret is, but whatever it is, keep it up! Great report and some really impressive trends.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	26	UNIT / LOCATION AVERAGES	26	38	25	21	50	UNIVERSAL AVERAGES
	MI/HR on Unit	872		787	885	731	750	729	
	Sample Date	4/28/2016		7/1/2015	5/1/2015	3/27/2015	7/30/2014	6/30/2014	
	Make Up Oil Added	1 qt		1 qt	1 qt	1 qt	0 qts	1 qt	
	ALUMINUM	4	4	7	2	4	4	3	8
	CHROMIUM	7	6	7	5	6	4	6	11
	IRON	47	43	62	38	36	38	35	60
	COPPER	3	3	3	3	4	3	4	7
	LEAD	4840	5294	6699	5522	5409	3971	5320	6899
	TIN	0	1	0	3	0	3	1	1
	MOLYBDENUM	2	2	4	1	2	2	2	4
	NICKEL	7	8	11	7	8	6	10	18
	MANGANESE	1	1	1	1	0	0	0	1
	SILVER	0	0	0	0	0	0	0	0
	TITANIUM	0	0	0	0	0	0	0	0
	POTASSIUM	0	0	0	0	1	0	0	1
	BORON	0	1	0	1	0	1	1	1
	SILICON	7	4	4	3	3	5	3	7
	SODIUM	3	2	3	1	1	2	2	2
	CALCIUM	87	107	127	128	120	116	66	48
	MAGNESIUM	0	1	2	1	0	1	0	2
	PHOSPHORUS	81	131	124	112	142	152	172	407
	ZINC	3	10	5	4	3	14	33	5
	BARIUM	0	0	0	0	0	0	0	0

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	95.1	86-105	93.0	90.5	87.6	91.0	90.6
	cSt Viscosity @ 100°C	19.19	17.0-21.8	18.69	18.10	17.40	18.23	18.13
	Flashpoint in °F	435	>430	460	425	430	455	490
	Fuel %	<0.5	<1.0	<0.5	TR	TR	<0.5	<0.5
	Antifreeze %	-		-	-	-	-	-
	Water %	0.0	<0.1	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.3	<0.6	0.4	0.2	0.4	0.5	0.4
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com