



# OIL REPORT

LAB NUMBER: F92515

UNIT ID: N181AM

REPORT DATE: 1/16/2014

CLIENT ID: 59079

CODE: 20/34

PAYMENT: CC: Visa (Bulk)

UNIT	MAKE/MODEL: Continental IO-550-N	OIL TYPE & GRADE: Aeroshell W100 (AD)
	FUEL TYPE: Gasoline (Leaded)	OIL USE INTERVAL: 52 Hours
	ADDITIONAL INFO: New prop	

CLIENT	ADAM MOLNY	PHONE: (631) 981-8525 Ext: 104
	889 EDWARD STREET	FAX:
	BALDWIN, NY 11510	ALT PHONE:
		EMAIL: Amolny@gmail.com

COMMENTS	ADAM: A nice report for N181AM. This was a slightly longer oil run than last time, but wear metals have decreased across the board here. That's a good sign that this Continental is doing well and no new problems are popping up. There was a little bit of fuel in the oil, but a trace amount isn't enough to cause concern. It's like from something operational, like excess priming. It could even be from taking the sample cold. No other contaminants were found, and air and oil filtration look good. Excellent!
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ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	52	UNIT / LOCATION AVERAGES	44	51				UNIVERSAL AVERAGES
	MI/HR on Unit	450		400	354				
	Sample Date	12/19/13		06/22/13	10/26/12				
	Make Up Oil Added	4 qts		3 qts	2 qts.				
	ALUMINUM	5	8	6	12				8
	CHROMIUM	7	8	8	10				9
	IRON	53	68	57	95				50
	COPPER	9	14	12	20				7
	LEAD	4593	5527	5614	6374				5970
	TIN	0	1	0	2				1
	MOLYBDENUM	4	6	5	8				3
	NICKEL	12	12	13	11				12
	MANGANESE	1	1	1	2				1
	SILVER	0	0	0	0				0
	TITANIUM	0	0	0	0				0
	POTASSIUM	0	1	0	2				1
	BORON	1	1	1	1				1
	SILICON	6	8	8	11				6
	SODIUM	1	1	1	1				1
	CALCIUM	2	3	2	5				37
	MAGNESIUM	1	2	2	3				1
	PHOSPHORUS	0	0	0	0				530
	ZINC	7	9	9	11				7
	BARIUM	0	0	0	0				0

Values  
Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	88.1	86-105	72.0	92.7			
	cSt Viscosity @ 100°C	17.51	17.0-21.8	13.47	18.62			
	Flashpoint in °F	460	>460	475	490			
	Fuel %	TR	<1.0	<0.5	<0.5			
	Antifreeze %	-		-	-			
	Water %	0.0	<0.1	0.0	0.0			
	Insolubles %	0.4	<0.6	0.2	0.5			
	TBN							
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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