



# OIL REPORT

LAB NUMBER: J14519  
 REPORT DATE: 3/3/2017  
 CODE: 20/37

UNIT ID: N211LH  
 CLIENT ID: 8024  
 PAYMENT: Prepaid (Bulk)

<b>UNIT</b>	MAKE/MODEL: Continental IO-550-N	OIL TYPE & GRADE: Aeroshell W100 (AD)
	FUEL TYPE: Gasoline (Leaded)	OIL USE INTERVAL: 17 Hours
	ADDITIONAL INFO: Cirrus SR22, Eng S/N 689078	

<b>CLIENT</b>	PHIL KIRKHAM	PHONE: (805) 928-7701
	COASTAL VALLEY AVIATION INC.	FAX: (805) 928-4427
	3119 LIBERATOR STREET	ALT PHONE:
	SANTA MARIA PUBLIC AIRPORT	EMAIL: <a href="mailto:cva@cvamx.com">cva@cvamx.com</a>
	SANTA MARIA, CA 93455	

**COMMENTS**  
 PHIL: This is another great report for N211LH. Metals are all fine compared to both trends and universal averages. We can really appreciate the short oil change intervals this engine's getting while it's not seeing a lot of use. Short intervals like this go a long way in keeping corrosion from sneaking into the cylinders and causing high metal readings. No contamination was found. Keep up the great work!

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	17	<b>UNIT / LOCATION AVERAGES</b>	12	26	19	47	53	<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	1,082		1,065	1,053	1,028	1,008	962	
	Sample Date	2/15/2017		5/16/2016	12/4/2015	5/11/2015	11/7/2014	5/12/2014	
	Make Up Oil Added								
ALUMINUM	3	7	2	5	3	4	6	7	
CHROMIUM	2	7	2	5	3	7	10	8	
IRON	11	41	14	26	20	39	51	48	
COPPER	2	4	2	3	2	4	5	6	
LEAD	1912	5634	2214	3650	3019	5221	5575	5813	
TIN	0	1	0	4	1	2	0	1	
MOLYBDENUM	1	3	0	1	1	2	3	3	
NICKEL	3	12	5	11	6	18	21	11	
MANGANESE	0	1	0	0	0	0	1	1	
SILVER	0	0	0	0	0	0	0	0	
TITANIUM	0	0	0	0	0	1	1	0	
POTASSIUM	4	1	0	1	3	4	4	1	
BORON	1	1	1	0	1	1	1	1	
SILICON	3	3	2	3	3	3	3	6	
SODIUM	1	1	2	2	2	0	2	1	
CALCIUM	80	64	93	104	106	110	116	39	
MAGNESIUM	1	1	0	1	2	1	3	1	
PHOSPHORUS	111	308	151	97	160	158	301	467	
ZINC	3	6	4	3	3	3	5	6	
BARIUM	0	0	0	0	0	0	0	0	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	93.1	86-105	90.4	99.0	92.5	94.8	95.6
	cSt Viscosity @ 100°C	18.73	17.0-21.8	18.07	20.12	18.58	19.14	19.31
	Flashpoint in °F	470	>460	465	<b>460</b>	470	475	470
	Fuel %	<0.5	<1.0	<0.5	TR	<0.5	<0.5	<0.5
	Antifreeze %	-		-	-	-	-	-
	Water %	0.0	<0.1	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.4	<0.6	0.4	0.4	0.4	0.5	0.5
	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](http://www.blackstone-labs.com)