

OIL REPORT

LAB NUMBER: E71711 **REPORT DATE:** 9/20/2011

CLIENT ID: 23123

UNIT ID: N3212T

CODE: 41/75 PAYMENT: CC: Discover

MAKE/MODEL: Lycoming O-320-E2D FUEL TYPE: Gasoline (Leaded)

OIL TYPE & GRADE: Aeroshell W100 (AD)
OIL USE INTERVAL: 25 Hours

ADDITIONAL INFO: Cessna 177; Eng S/N L-26623-27A, Nickel Cylds

CHARLES MOUNT

SUWANEE, GA 30024

PHONE: (904) 813-0636

3504 Morningwood Ct NE FAX:

ALT PHONE:

EMAIL: chuck@mountpoint.org

MMENTS

CLIENT

CHARLES: Wear increased this time, though nothing read exceptionally high. The readings here are similar to what we have seen in the past from this O-320. The hours on the oil increased and along with that wear increased, and this is to be expected. Comparing these readings to your unit/location averages (average of 12 samples from this engine), these numbers look pretty good. The oil was again in good shape, showing no signs of contamination (moisture, fuel). Air and oil filtration looked good too (see silicon and insolubles). Overall nice report as of 9-10-11.

	MI/HR on Oil	25		6	22	24	29	19	
	MI/HR on Unit	394	UNIT / LOCATION AVERAGES	2,430	463	293	2,332	242	UNIVERSAL
	Sample Date	09/10/11		04/24/11	12/28/10	11/08/09	06/17/09	01/22/09	AVERAGES
	Make Up Oil Added	2 qts		0 qts	2 qts	0 qts		1 qt	
ON	ALUMINUM	5	8	3	11	8	5	9	5
Ĭ	CHROMIUM	26	36	12	33	38	39	52	6
MIL	IRON	34	48	27	128	42	36	40	24
	COPPER	6	8	3	6	6	7	6	5
띪	LEAD	2300	1888	954	2416	2406	2622	1486	2574
Д	TIN	3	1	0	0	0	0	1	1
ည	MOLYBDENUM	0	0	0	1	0	0	0	0
R	NICKEL	5	4	2	6	4	4	2	2
РА	MANGANESE	0	0	0	1	0	0	0	0
Z	SILVER	0	0	0	0	0	0	0	0
S	TITANIUM	0	0	0	0	0	0	0	0
	POTASSIUM	3	1	2	1	2	0	0	0
E	BORON	0	0	0	1	2	0	0	0
E	SILICON	4	8	3	5	8	8	7	5
	SODIUM	0	0	0	0	0	0	1	0
	CALCIUM	0	2	0	10	1	1	1	6
	MAGNESIUM	0	1	0	1	0	0	1	0
	PHOSPHORUS	0	90	3	0	1	338	14	458
	ZINC	0	3	0	6	2	5	2	4
	BARIUM	0	0	0	0	0	0	0	0

Values

Should Be*

	SUS Viscosity @ 210°F	90.7	86-105	93.4	90.3	88.5	92.9	88.3
	cSt Viscosity @ 100°C	18.15	17.0-21.8	18.79	18.05	17.62	18.68	17.58
တ	Flashpoint in °F	515	>460	490	480	490	470	520
≡	Fuel %	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5
¥	Antifreeze %	-		-	-	-	-	-
	Water %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ş	Insolubles %	0.0	<0.6	0.2	0.3	0.3	0.4	0.2
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE