

OIL REPORT

LAB NUMBER: G80331 REPORT DATE: 6/1/2015

5 CLIENT ID: 49623
PAYMENT: CC: Visa

Phillips XC (A/C) 20W/50

UNIT ID: N7808Z

EQUIP. MAKE/MODEL: Lycoming O-360-C2A

OIL TYPE & GRADE:

FUEL TYPE: Gasoline (Leaded)

OIL USE INTERVAL: 28 Hours

ADDITIONAL INFO: E/N: L-14529-36A, OH @ 483.7 hrs tach

JIM DENSMORE

PHONE: (719) 535-8978

CODE: 63/75

6670 SKYHAWK CT

FAX:

COLORADO SPRINGS, CO 80919

ALT PHONE:

EMAIL: blackstone@densmore.org

OMMENTS

JIM: You listed the time on the engine as 222 hours SMOH, and 705.5 hours tach time. We can track this engine either way, so whichever is more convenient for you is fine. These metals are not so fine, though. Aluminum, chrome, and iror show piston/ring/cylinder wear, while copper is from brass/bronze parts. Universal averages show typical wear for this type of engine after ~45 hours of oil use, so these metals are quite high for a short oil run like this. Viscosity is also high but insolubles are low. Test compressions, borescope, and check back in 20 hours to monitor.

	MI/HR on Oil	28	LINUT /			
	MI/HR on Unit	222				UNIVERSAL
	Sample Date	5/2/2015				AVERAGES
-	Make Up Oil Added					
ΙÓ						
MILLION	ALUMINUM	11	10			5
	CHROMIUM	7	7			3
2	IRON	70	63			18
α	COPPER	18	14			4
PE	LEAD	2305	2375			3902
	TIN	1	1			1
Ĕ	MOLYBDENUM	4	4			0
PARTS	NICKEL	4	5			1
Ъ	MANGANESE	1	1			0
Z	SILVER	0	0			0
	TITANIUM	0	0			0
ည	POTASSIUM	0	0			0
Z	BORON	0	1			0
EMENTS	SILICON	8	7			6
	SODIUM	1	3			0
긂	CALCIUM	6	7			10
	MAGNESIUM	0	1			0
	PHOSPHORUS	0	0			196
	ZINC	1	1			2
	BARIUM	0	0			0

Values Should Be*

			Cilibaia Bo			
	SUS Viscosity @ 210°F	112.7	86-105			
	cSt Viscosity @ 100°C	23.31	17.0-21.8			
ကူ	Flashpoint in °F	485	>430			
Ħ	Fuel %	<0.5	<1.0			
뽔	Antifreeze %	-				
1 2	Water %	0.0	<0.1			
100	Insolubles %	0.2	<0.6			
ᇤ	TBN					
	TAN	·				·
	ISO Code					

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE