



OIL REPORT

LAB NUMBER: H24054 UNIT ID: N7808Z
 REPORT DATE: 12/30/2015 CLIENT ID: 49623
 CODE: 63/32 PAYMENT: CC: Visa

UNIT	EQUIP. MAKE/MODEL: Lycoming O-360-C2A	OIL TYPE & GRADE: Phillips XC (A/C) 20W/50
	FUEL TYPE: Gasoline (Leaded)	OIL USE INTERVAL: 25 Hours
	ADDITIONAL INFO: E/N: L-14529-36A, OH @ 483.7 hrs tach	

CLIENT	JIM DENSMORE	PHONE: (719) 535-8978
	6670 SKYHAWK CT	FAX:
	COLORADO SPRINGS, CO 80919	ALT PHONE:
		EMAIL: blackstone@densmore.org

COMMENTS JIM: This sample was taken from the bucket, and as long as the bucket was clean, that's fine. It doesn't seem to have skewed anything on our end. Metals look better overall. Iron and copper are still a bit high, but they're headed in the right direction. Nickel bumped up, but only by 1 ppm, so that's actually what we'd consider steady. It's just high enough to earn a mark, so it's not a major concern, but still worth watching. The viscosity was a little thick again, but no contamination was found, so it's not a major concern. If all is well for you, just check back.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	25	UNIT / LOCATION AVERAGES	28					UNIVERSAL AVERAGES
	MI/HR on Unit	338		222					
	Sample Date	12/19/2015		5/2/2015					
	Make Up Oil Added								
ALUMINUM	8	10	11					5	
CHROMIUM	6	7	7					3	
IRON	55	63	70					18	
COPPER	10	14	18					4	
LEAD	2444	2375	2305					3902	
TIN	1	1	1					1	
MOLYBDENUM	4	4	4					0	
NICKEL	5	5	4					1	
MANGANESE	0	1	1					0	
SILVER	0	0	0					0	
TITANIUM	0	0	0					0	
POTASSIUM	0	0	0					0	
BORON	1	1	0					0	
SILICON	6	7	8					6	
SODIUM	5	3	1					0	
CALCIUM	7	7	6					10	
MAGNESIUM	1	1	0					0	
PHOSPHORUS	0	0	0					196	
ZINC	0	1	1					2	
BARIUM	0	0	0					0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	110.1	86-105	112.7				
	cSt Viscosity @ 100°C	22.71	17.0-21.8	23.31				
	Flashpoint in °F	470	>430	485				
	Fuel %	<0.5	<1.0	<0.5				
	Antifreeze %	-		-				
	Water %	0.0	<0.1	0.0				
	Insolubles %	0.2	<0.6	0.2				
	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