



OIL REPORT

LAB NUMBER: S126054

UNIT ID: N32863-RH

REPORT DATE: 10/9/2024

CLIENT ID: 228435

CODE: 63/88

PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Continental LTSIO-360-E1	OIL TYPE & GRADE: Phillips XC (A/C) 20W/50
	FUEL TYPE: Gasoline (Leaded)	OIL USE INTERVAL: 44 Hours
	ADDITIONAL INFO: Piper PA34-200T, S/N: 225502-R	

CLIENT	TRAVIS PULLEY	PHONE: (765) 376-3799
	DIRT LANDING LLC	FAX:
	3231 W 1100 N	ALT PHONE:
	NEW RICHMOND, IN 47967	EMAIL: tpulley81@gmail.com

COMMENTS	TRAVIS: The right engine looks to be wearing better with less iron from steel wear. That's nice to see after a longer oil run. Even though some other metals are higher than before, they remain within healthy ranges of the averages. There's a little more silicon than last time, but with wear looking good, we're thinking that's probably from a harmless source like DC 4 or some other silicone lube/sealer. It wouldn't hurt to give the air filter/intake and alt air door another check just in case. The viscosity's in the right range for 20W/50 and no contamination was found.
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ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	44	UNIT / LOCATION AVERAGES	13				
	MI/HR on Unit	1,650		1,600				UNIVERSAL AVERAGES
	Sample Date	9/14/2024		5/26/2024				
	Make Up Oil Added	2 qts		0 qts				
	ALUMINUM	7	7	7				6
	CHROMIUM	15	13	10				12
	IRON	66	90	113				62
	COPPER	9	7	5				6
	LEAD	4028	2745	1462				6760
	TIN	1	2	2				1
	MOLYBDENUM	2	2	2				6
	NICKEL	7	5	2				15
	MANGANESE	1	2	2				1
	SILVER	0	0	0				0
	TITANIUM	0	0	0				0
	POTASSIUM	1	1	0				0
	BORON	1	1	1				0
	SILICON	22	20	18				14
	SODIUM	1	2	2				1
	CALCIUM	2	5	7				3
	MAGNESIUM	6	6	5				5
	PHOSPHORUS	49	144	239				164
	ZINC	9	11	13				5
	BARIUM	0	0	0				0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	86.9	86-105	84.7				
	cSt Viscosity @ 100°C	17.23	17.0-21.8	16.68				
	Flashpoint in °F	455	>430	455				
	Fuel %	<0.5	<1.0	<0.5				
	Antifreeze %	-		-				
	Water %	0.0	0.0	0.0				
	Insolubles %	0.4	<0.6	0.3				
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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