



OIL REPORT

LAB NUMBER: N79822
REPORT DATE: 8/30/2021
CODE: 20/175

UNIT ID: N1925U
CLIENT ID: XXXXXXXXXX
PAYMENT: Bulk CC

UNIT	EQUIP. MAKE/MODEL:	Continental TSIO-520-R12	OIL TYPE & GRADE:	Phillips XC (A/C) 20W/50
	FUEL TYPE:	Gasoline (Leaded)	OIL USE INTERVAL:	60 Hours
	ADDITIONAL INFO:	Cessna T210, S/N: 21064750, Eng S/N: 1032649		

CLIENT	ROBERT DONAHUE	PHONE: XXXXXXXXXX
	XXXXXXXXXX	FAX: XXXXXXXXXX
	AKRON, OH 44333	ALT PHONE:
		EMAIL: XXXXXXXXXX

COMMENTS	ROBERT: Just about every wear metal is higher than it was in the last sample, but we don't see a need to mark anything in bold. Accumulation over this longer oil change interval is at least partially responsible for the increases, and all of the metals are still within a good range of averages. The metals are in about the same balance as usual, too. As long as increasing wear doesn't become a trend, we won't be too concerned. There aren't any contamination issues to point out, and the silicon and insolubles levels show proper air and oil filtration.
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ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	60	UNIT / LOCATION AVERAGES	47	54	51	49	57	UNIVERSAL AVERAGES
	MI/HR on Unit	1,114		1,057	960	760	736	678	
	Sample Date	8/16/2021		4/30/2021	10/1/2020	11/7/2019	8/9/2019	4/17/2019	
	Make Up Oil Added	2 qts		2 qts	2 qts	2 qts	2 qts	2 qts	
ALUMINUM	10	12	6	12	10	12	14	14	14
CHROMIUM	45	31	27	42	26	32	34	24	24
IRON	92	67	51	87	69	81	80	67	67
COPPER	11	12	5	10	8	10	11	10	10
LEAD	7994	9340	7321	9680	9416	9322	9379	7970	7970
TIN	1	2	1	2	2	2	2	2	2
MOLYBDENUM	13	11	7	11	9	12	13	9	9
NICKEL	51	32	32	38	33	37	35	30	30
MANGANESE	1	1	1	1	1	1	1	1	1
SILVER	0	0	0	0	0	0	0	0	0
TITANIUM	1	1	1	1	1	1	1	1	1
POTASSIUM	0	0	0	0	0	0	0	0	0
BORON	2	1	0	0	0	0	1	1	1
SILICON	8	10	10	11	8	11	12	14	14
SODIUM	2	1	2	1	1	1	1	1	1
CALCIUM	1	6	1	4	8	7	4	12	12
MAGNESIUM	0	0	0	0	0	0	1	0	0
PHOSPHORUS	1	1	1	1	1	1	2	329	329
ZINC	2	3	2	2	2	3	3	4	4
BARIUM	0	0	0	0	0	0	0	0	0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	90.7	86-105	90.1	93.6	93.7	94.9	93.8
	cSt Viscosity @ 100°C	18.16	17.0-21.8	18.00	18.84	18.87	19.16	18.88
	Flashpoint in °F	435	>430	450	445	445	460	470
	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
	Insolubles %	0.4	<0.6	0.4	0.4	0.4	0.3	0.4
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

XXXXXXXXXX FORT WAYNE, IN 46806 XXXXXXXXXX XXXXXXXXXX