



# OIL REPORT

LAB NUMBER: N02978  
 REPORT DATE: 1/19/2021  
 CODE: 63/133

UNIT ID: N310VP  
 CLIENT ID: 39279  
 PAYMENT: CC: Visa (Bulk)

UNIT	MAKE/MODEL: Continental IO-550-N7	OIL TYPE & GRADE: Phillips XC (A/C) 20W/50
	FUEL TYPE: Gasoline (Leaded)	OIL USE INTERVAL: 44 Hours
	ADDITIONAL INFO: Cirrus SR22, Eng S/N 685783	

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**COMMENTS**  
 ERIC: We like what we're seeing from N310VP at 2,008.1 hours SNew. None of the wear metals are showing an increasing trend that would suggest a developing mechanical issue, and all compare well to averages. There aren't any harmful contaminants in this 20W/50 oil, and the air and oil filters are keeping up with abrasive dirt (silicon) and oxidized solids (insolubles). Nice one!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	44	UNIT / LOCATION AVERAGES	34	50	50	38	UNIVERSAL AVERAGES
	MI/HR on Unit	2,008		2,043	2,009	1,929	1,880	
	Sample Date	1/7/2021		7/31/2020	12/4/2019	11/16/2018	4/19/2018	9/22/2017
	Make Up Oil Added	7 qts				7 qts	7 qts	7 qts
	ALUMINUM	3	6	3	3	4	7	4
	CHROMIUM	2	5	2	2	3	3	2
	IRON	34	46	38	35	47	43	36
	COPPER	2	5	2	2	3	3	3
	LEAD	2137	3613	2427	2649	3837	3369	3122
	TIN	0	2	0	1	2	1	1
	MOLYBDENUM	1	2	1	1	1	1	1
	NICKEL	3	9	4	5	4	7	3
	MANGANESE	1	1	1	1	1	1	1
	SILVER	0	0	0	0	0	0	0
	TITANIUM	0	0	0	0	0	0	0
	POTASSIUM	0	1	1	0	0	0	1
	BORON	1	1	1	0	1	0	0
	SILICON	5	4	3	4	4	4	4
	SODIUM	2	2	3	1	2	1	2
	CALCIUM	86	78	123	103	110	111	141
	MAGNESIUM	1	1	0	1	0	1	1
	PHOSPHORUS	119	430	120	116	103	154	217
	ZINC	2	11	5	4	6	6	7
	BARIIUM	0	0	0	0	0	0	0

Values Should Be\*

PROPERTIES	88.5	86-105	87.4	87.9	86.7	87.6	89.0
SUS Viscosity @ 210°F	17.61	17.0-21.8	17.35	17.48	17.17	17.41	17.73
cSt Viscosity @ 100°C	445	>430	450	475	435	BOIL	440
Flashpoint in °F	<0.5	<1.0	<0.5	<0.5	<0.5	-	<0.5
Fuel %	-	-	-	-	-	-	-
Antifreeze %	0.0	0.0	0.0	0.0	0.0	POS	0.0
Water %	0.2	<0.6	0.3	0.4	0.5	0.5	0.2
Insolubles %							
TBN							
TAN							
ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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