



# OIL REPORT

LAB NUMBER:  
 REPORT DATE: 10/24/2019  
 CODE: 20/32

UNIT ID:  
 CLIENT ID:  
 PAYMENT:

UNIT	EQUIP. MAKE/MODEL: Continental IO-550-N27B	OIL TYPE & GRADE: Phillips XC (A/C) 20W/50
	FUEL TYPE: Gasoline (Leaded)	OIL USE INTERVAL: 40 Hours
	ADDITIONAL INFO: Cirrus SR22 S/N 917543	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

**COMMENTS** N284CD has almost a full page of highlight-free reports, and this sample with the 10/16/19 sample date is another good one to add to the logs. The long string of excellent reports speaks to careful maintenance and operational habits on your end, and it certainly helps that the engine sees a lot of flight time throughout the year, generally averaging about 50-60 hours/year since 2016. Engines that are active and well cared for tend to look the best in analysis, and the proof is in the pudding... or, more accurately, in the oil reports. Just keep up the great work!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	40	UNIT / LOCATION AVERAGES	21	30	22	31	40	UNIVERSAL AVERAGES
	MI/HR on Unit	894		852	833	802	781	750	
	Sample Date	10/16/2019		5/30/2019	10/9/2018	4/15/2018	8/11/2017	11/17/2016	
	Make Up Oil Added	3 qts		1 qt	2 qts	2 qts	2 qts	3 qts	
ALUMINUM	4	4	3	3	5	3	4	6	
CHROMIUM	5	6	3	4	5	6	6	5	
IRON	38	45	29	34	40	41	53	37	
COPPER	4	5	3	4	4	4	7	5	
LEAD	5232	4558	3335	3807	3829	3997	5983	4664	
TIN	1	1	0	1	1	0	2	1	
MOLYBDENUM	2	2	1	1	2	1	2	2	
NICKEL	9	9	6	4	8	8	10	8	
MANGANESE	0	0	0	0	1	0	1	1	
SILVER	0	0	0	0	0	0	0	0	
TITANIUM	0	0	0	0	0	0	0	0	
POTASSIUM	0	1	2	0	1	0	1	1	
BORON	0	1	0	0	2	0	1	1	
SILICON	4	4	4	5	4	4	4	6	
SODIUM	1	2	10	2	1	0	1	1	
CALCIUM	97	71	99	85	93	42	75	53	
MAGNESIUM	0	0	0	1	1	0	1	1	
PHOSPHORUS	89	135	124	79	117	78	122	382	
ZINC	4	4	5	4	4	0	5	4	
BARIUM	0	0	0	0	0	0	0	0	

Values Should Be\*

PROPERTIES	90.3	86-105	86.0	91.4	89.6	89.5	90.0
SUS Viscosity @ 210°F	90.3	86-105	86.0	91.4	89.6	89.5	90.0
cSt Viscosity @ 100°C	18.05	17.0-21.8	17.01	18.32	17.89	17.86	17.98
Flashpoint in °F	445	>430	465	450	435	450	430
Fuel %	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	TR
Antifreeze %	-	-	-	-	-	-	-
Water %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Insolubles %	0.4	<0.6	0.3	0.4	0.5	0.3	0.3
TBN							
TAN							
ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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