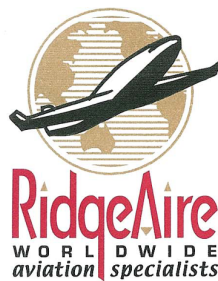


N317DE

2001 Cirrus SR22

Oil Sample



MSN: 0057

Prepared by the worldwide aviation specialists at RidgeAir, Inc.



OIL REPORT

LAB NUMBER: S351165
 REPORT DATE: 2/2/2026
 CODE: 20/1,193

UNIT ID: N317DE
 CLIENT ID: 287321
 PAYMENT: CC Online

UNIT	MAKE/MODEL: Continental IO-550-N	OIL TYPE & GRADE: Aeroshell W100 (AD)
	FUEL TYPE: Gasoline (Leaded)	OIL USE INTERVAL: 10 Hours
	ADDITIONAL INFO: 2001 Cirrus SR22, S/N: 685780	

CLIENT	JACOB LACKEY / ZACH RIDGLEY	PHONE: (903) 330-4519
	RIDGE AIRE	FAX:
	428 CR 1618, HANGAR #1	ALT PHONE: (903) 586-1521
	CHEROKEE COUNTY AIRPORT	EMAIL: jwl@ridgeaire.com
	RUSK, TX 75785	

COMMENTS JACOB/ZACH: The noted inactivity may explain why aluminum and iron are high for a 10-hour run, as surface corrosion on aluminum/steel parts is common during inactivity. For reference, universal averages for the IO-550-N are based on ~40-hour runs. If it's just corrosion, it should clear up with a more active flight schedule. That said, we can't rule out poor wear—especially if the 8 quarts of oil refers to top-off and not to the sump size. That much oil consumption in 10 hours would suggest a problem in itself and merit borescoping/testing compressions. Check back next oil change.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	10	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	1,241						
	Sample Date	1/15/2026						
	Make Up Oil Added	8 qts						
	ALUMINUM	13						7
	CHROMIUM	7						9
	IRON	61						46
	COPPER	8						5
	LEAD	1655						5155
	TIN	2						1
	MOLYBDENUM	3						4
	NICKEL	16						10
	MANGANESE	1						1
	SILVER	0						0
	TITANIUM	1						0
	POTASSIUM	0						0
	BORON	1						1
	SILICON	4						6
	SODIUM	1						2
	CALCIUM	1						33
	MAGNESIUM	1						1
	PHOSPHORUS	214						309
	ZINC	9						5
	BARIUM	0						0

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	93.8	86-105				
	cSt Viscosity @ 100°C	18.89	17.0-21.8				
	Flashpoint in °F	475	>460				
	Fuel %	<0.5	<1.0				
	Antifreeze %	-					
	Water %	0.0	0.0				
	Insolubles %	0.3	<0.6				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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