OIL REPORT

LAB NUMBER: S251230 **UNIT ID:** N877CD
REPORT DATE: 7/9/2025 **CLIENT ID:** 81622
CODE: 20/216 **PAYMENT:** CC Online (Bulk)

UNIT

MAKE/MODEL: Continental IO-550-N7
FUEL TYPE: Gasoline (Leaded)
ADDITIONAL INFO: Cirrus SR22, S/N: 686387, 0327
OIL TYPE & GRADE: Aeroshell W100 (AD)
OIL USE INTERVAL: 56 Hours

CLIENT

KEN PARENT / RICHARD JACKSON
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COMMENTS

KEN/RICHARD: Wear metals are lower down the line, and silicon decreased too. The improvements at iron (from steel parts) and nickel (from exhaust valve guides) shine through even on a per-hour basis. It looks like some parts were genuinely wearing better. Silicon isn't quite low enough to rule out dirt contamination, but an air filtration issue is unlikely since silicon did go down. The flashpoint was good and high, showing no measurable fuel dilution. This report shows nice progress. We'll be looking for a stable wear pattern emerge over the next few samples.

ELEMENTS IN PARTS PER MILLION

MI/HR on Oil	56	UNIT / LOCATION AVERAGES	70	36				UNIVERSAL AVERAGES
MI/HR on Unit	2,162		2,106	1,990				
Sample Date	6/25/2025		4/23/2025	5/29/2024				
Make Up Oil Added			3 qts					
ALUMINUM	11	10	**14**	6				6
CHROMIUM	6	6	9	3				6
IRON	56	55	**85**	23				38
COPPER	6	6	**8**	4				4
LEAD	6708	6575	8805	4211				5003
TIN	1	1	1	0				1
MOLYBDENUM	2	2	2	1				2
NICKEL	12	13	**20**	6				8
MANGANESE	1	1	1	0				1
SILVER	0	0	0	0				0
TITANIUM	0	0	1	0				0
POTASSIUM	0	0	0	0				0
BORON	2	1	1	1				1
SILICON	**12**	13	**22**	6				5
SODIUM	2	2	2	2				1
CALCIUM	1	1	2	1				40
MAGNESIUM	0	0	1	0				1
PHOSPHORUS	1024	956	683	1160				342
ZINC	5	7	9	7				6
BARIUM	0	0	0	0				0

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	99.7	86-105	101.5	91.2			
cSt Viscosity @ 100°C	20.28	17.0-21.8	20.70	18.28			
Flashpoint in °F	485	>460	**440**	490			
Fuel %	<0.5	<1.0	**1.0**	<0.5			
Antifreeze %	-		-	-			
Water %	0.0	0.0	0.0	0.0			
Insolubles %	0.2	<0.6	0.3	0.1			
TBN							
TAN							
ISO Code							

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**

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