

N2130L

1976 Beech 58TC Baron

Blackstone Laboratories Oil Report RH Engine



MSN: TK-25

Prepared by the worldwide aviation specialists at RidgeAir, Inc.



OIL REPORT

LAB NUMBER: S293178

UNIT ID: N2130L-RH

REPORT DATE: 10/3/2025

CLIENT ID: 128000

CODE: 20/1,193

PAYMENT: CC: Visa

UNIT

MAKE/MODEL: Continental TSIO-520-WB

FUEL TYPE: Gasoline (Leaded)

ADDITIONAL INFO: Beech 58TC, S/N: 518132

OIL TYPE & GRADE: Aeroshell 15W/50

OIL USE INTERVAL: 35 Hours

CLIENT

WAYNE DECOSTA

GREAT WEST CONSTRUCTION

5935 TEMPLETON GAP RD

COLORADO SPRINGS, CO 80923

PHONE: (719) 380-8100

FAX: (719) 380-8804

ALT PHONE: (719) 499-7581

EMAIL: wayne@greatwestconstruction.com

COMMENTS

WAYNE: These are the results for the right engine. Wear metals are reading similarly to what we found in the left engine's sample. Copper, tin, and nickel are elevated here. Aluminum (pistons) is also still just high enough to mark on this side. Since both engines are producing about the same amount of metal, it's hard to think that there is a major issue. There appears to be some shared situational/operational factor. Still, look for metal in the oil filter and watch for high/erratic temps and low oil pressure. If all seems well, check back after a similar interval to compare.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	35	UNIT / LOCATION AVERAGES	35	22				UNIVERSAL AVERAGES
	MI/HR on Unit	1,871		1,836	1,802				
	Sample Date	9/17/2025		7/18/2025	4/7/2025				
	Make Up Oil Added	4 qts		4 qts					
	ALUMINUM	22		30	57				
	CHROMIUM	13		10	11				
	IRON	99		103	128				
	COPPER	23		21	21				
	LEAD	4946		5783	5182				
	TIN	5		3	4				
	MOLYBDENUM	11		12	17				
	NICKEL	64		72	116				
	MANGANESE	1		1	2				
	SILVER	1		0	0				
	TITANIUM	1		0	1				
	POTASSIUM	0		0	0				
	BORON	2		2	2				
	SILICON	9		14	13				
	SODIUM	3		1	2				
	CALCIUM	1		2	2				
	MAGNESIUM	1		1	1				
	PHOSPHORUS	1008		944	872				
	ZINC	3		4	4				
	BARIUM	0		0	0				

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	89.3	82-105	89.3	83.6			
	cSt Viscosity @ 100°C	17.82	16.0-21.8	17.82	16.42			
	Flashpoint in °F	475	>440	465	490			
	Fuel %	<0.5	<1.0	<0.5	<0.5			
	Antifreeze %	-		-	-			
	Water %	0.0	0.0	0.0	0.0			
	Insolubles %	0.4	<0.6	0.2	0.3			
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com