



OIL REPORT

LAB NUMBER: UNIT ID: N30BBB
 REPORT DATE: 12/11/2018 CLIENT ID:
 CODE: 20/6 PAYMENT: Sub Acct / PPD (Bul

UNIT	MAKE/MODEL: Continental IO-550-B	OIL TYPE & GRADE: Aeroshell 15W/50
	FUEL TYPE: Gasoline (Leaded)	OIL USE INTERVAL: 48 Hours
	ADDITIONAL INFO: Beech Bonanza	

CLIENT	:
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COMMENTS We may be seeing a lingering wear-in from your recent cylinder work in this sample, though there wear is high enough to potentially show a problem. The universal averages column shows what wear typically looks like from this type engine after about 37 hours run on the oil. Your oil was in use 48 hours, and all wear is quite high. Lead and insolubles indicate excessive blow-by too. This was 15W/50 aircraft-use engine oil with no moisture or volatile gas in it. Check back in 35 hours. Watch the filter for metals. Metals are up near the caution level.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	48	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	1,305						
	Sample Date	11/20/2018						
	Make Up Oil Added							
	ALUMINUM	11	11					8
	CHROMIUM	16	13					7
	IRON	77	62					41
	COPPER	9	8					5
	LEAD	7215	6143					4733
	TIN	4	2					1
	MOLYBDENUM	5	5					4
	NICKEL	15	15					9
	MANGANESE	2	1					1
	SILVER	0	0					0
	TITANIUM	0	0					0
	POTASSIUM		0					1
	BORON	0	0					1
	SILICON	8	8					7
	SODIUM	1	1					1
	CALCIUM	9	28					24
	MAGNESIUM	0	0					1
	PHOSPHORUS	882	904					553
	ZINC	8	5					5
	BARIUM	0	0					0

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°	87.8	82-105				
	cSt Viscosity @ 100°C	17.44	16.0-21.8				
	Flashpoint in °F	445	>440				
	Fuel %	<0.5	<1.0				
	Antifreeze %	-					
	Water %	0.0	0.0				
	Insolubles %	0.7	<0.6				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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