



OIL REPORT

LAB NUMBER:
 REPORT DATE: 3/29/2019
 CODE: 20/37

UNIT ID:
 CLIENT ID:
 PAYMENT: Bulk

UNIT	MAKE/MODEL: CubCrafters CC363i	OIL TYPE & GRADE: Aeroshell 80 (Mineral)
	FUEL TYPE: Gasoline (Leaded)	OIL USE INTERVAL: 23 Hours
	ADDITIONAL INFO: Aerosport	

CLIENT	
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COMMENTS This engine looks terrific at 32.5 hours SMOH. It wouldn't be surprising to see some extra metal and/or silicon as new parts and sealers wear in and wash out, but there's none of that here. Wear compares nicely to universal averages, based on a similar interval of ~20 hours, and most metals are actually a bit better than average. The viscosity is in spec for 40-weight mineral oil. Oil and air filtration are working properly (see silicon, and insolubles), and no contamination from water or fuel was found. Very nice first report.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	23	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	33						
	Sample Date	3/19/2019						
	Make Up Oil Added							
	ALUMINUM	3	6					4
	CHROMIUM	4	9					9
	IRON	13	39					20
	COPPER	11	13					13
	LEAD	863	1377					1244
	TIN	3	1					1
	MOLYBDENUM	0	1					0
	NICKEL	1	2					2
	MANGANESE	0	0					0
	SILVER	0	0					0
	TITANIUM	0	0					0
	POTASSIUM		0					0
	BORON	0	1					1
	SILICON	11	11					10
	SODIUM	1	1					1
	CALCIUM	1	7					6
	MAGNESIUM	1	1					1
	PHOSPHORUS	3	188					145
	ZINC	4	9					6
	BARIUM	0	0					0

Values Should Be*

PROPERTIES							
SUS Viscosity @ 210°	80.1	72-82					
cSt Viscosity @ 100°C	15.55	13.5-16.3					
Flashpoint in °F	490	>455					
Fuel %	<0.5	<1.0					
Antifreeze %	-						
Water %	0.0	<0.1					
Insolubles %	0.4	<0.6					
TBN							
TAN							
ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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