



OIL REPORT

LAB NUMBER: K20508
 REPORT DATE: 5/16/2018
 CODE: 20/32

UNIT ID: N997RV
 CLIENT ID: 102169
 PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Lycoming IO-360-M1B	OIL TYPE & GRADE: Aeroshell 15W/50
	FUEL TYPE: Gasoline (Leaded)	OIL USE INTERVAL: 31 Hours
	ADDITIONAL INFO: Vans RV7A	

CLIENT	JAMES CLARK	PHONE: (540) 270-1695
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COMMENTS
 JIM: This is another nice report. Most wear metals have held perfectly steady over this latest run, which is a little surprising given that this oil saw less use than the last sample we test, but we can't really complain about anything here since metals are still in good balance and are well within range of averages. The only mark on this otherwise "perfect" report is for a marginal flashpoint reading, which shows a harmless trace of fuel dilution. That should clear up next time. Oil filtration held insolubles to 0.3%, and no dirt or water was found. Nice engine at 286.6 hours SNew!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	31	UNIT / LOCATION AVERAGES	50	49	10	50	15	UNIVERSAL AVERAGES
	MI/HR on Unit	287		253	180	131	120	15	
	Sample Date	5/6/2018		12/27/2017	3/22/2017	12/1/2016	9/1/2016	3/1/2016	
	Make Up Oil Added	3 qts			5 qts		2 qts	0 qts	
ALUMINUM	2	2	2	1	2	1	2	4	
CHROMIUM	2	2	2	1	2	2	4	3	
IRON	14	10	14	5	10	10	8	14	
COPPER	13	12	21	8	16	6	9	8	
LEAD	3705	2466	3863	1594	3018	2099	518	2722	
TIN	1	1	2	1	1	0	0	1	
MOLYBDENUM	0	0	0	0	0	0	1	0	
NICKEL	1	1	1	0	1	1	1	1	
MANGANESE	0	0	0	0	0	0	0	0	
SILVER	0	0	0	0	0	0	0	0	
TITANIUM	0	0	0	0	0	0	0	0	
POTASSIUM	0	0	0	0	0	0	2	1	
BORON	2	1	0	1	1	0	2	1	
SILICON	6	9	6	8	9	12	13	8	
SODIUM	3	1	1	1	1	0	0	1	
CALCIUM	1	5	0	0	3	2	24	28	
MAGNESIUM	3	4	3	4	9	2	4	3	
PHOSPHORUS	1225	795	1068	1158	1132	109	76	500	
ZINC	5	5	6	3	7	2	5	8	
BARIUM	0	0	0	0	0	0	0	0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	93.2	82-105	87.2	91.4	87.3	95.2	94.4
	cSt Viscosity @ 100°C	18.74	16.0-21.8	17.31	18.31	17.32	19.23	19.03
	Flashpoint in °F	440	>440	480	465	465	485	SHORT
	Fuel %	TR	<1.0	<0.5	<0.5	<0.5	<0.5	-
	Antifreeze %	-		-	-	-	-	-
	Water %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.3	<0.6	0.2	0.2	0.1	0.3	0.4
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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