



OIL REPORT

LAB NUMBER: L47093
REPORT DATE: 8/15/2019
CODE: 20/32

UNIT ID: N1769K
CLIENT ID: 147573
PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Rotax 912 ULS	OIL TYPE & GRADE: Aeroshell Sport Plus 4
	FUEL TYPE: Gasoline (Leaded)	OIL USE INTERVAL: Hours
	ADDITIONAL INFO: Vans RV-12, S/N: 120359, 6780514	

CLIENT	KEN RITSHER	PHONE: [REDACTED]
	[REDACTED]	FAX: [REDACTED]
		ALT PHO: [REDACTED]
		EMAIL: [REDACTED]

COMMENTS	KEN: This is another nice report to put on file for this Rotax. This engine has netted some pretty similar results whether after an oil run of 20 hours or 50 hours, with only iron varying by any significant margin between reports. This is another steady report, overall, so the results fit nicely into the established trends no matter how long the oil was in place -- we're guessing about 30 hours, though, based on the change in total engine hours. There's no evidence of contamination to be found, and though insolubles are higher than usual, they still show adequate oil filtration.
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	MI/HR on Oil	MI/HR on Unit	UNIT / LOCATION AVERAGES	30	20	50	UNIVERSAL AVERAGES
				7/7/2018	7/8/2017	7/3/2016	
	Sample Date	8/4/2019					
	Make Up Oil Added	1 qt		0 qts	0 qts	0 qts	
ELEMENTS IN PARTS PER MILLION	ALUMINUM	3	3	3	3	4	5
	CHROMIUM	1	1	1	0	1	1
	IRON	28	25	23	18	31	27
	COPPER	12	11	10	9	13	8
	LEAD	266	346	134	475	508	1422
	TIN	1	1	1	2	0	1
	MOLYBDENUM	3	1	0	0	0	9
	NICKEL	2	2	2	1	2	2
	MANGANESE	0	0	0	0	0	0
	SILVER	0	1	0	0	2	0
	TITANIUM	0	0	1	0	0	0
	POTASSIUM	2	2	1	3	2	2
	BORON	71	67	70	68	60	68
	SILICON	15	15	15	16	14	13
	SODIUM	6	7	7	5	8	21
	CALCIUM	2827	2751	2708	2812	2655	2642
	MAGNESIUM	14	15	14	15	16	58
	PHOSPHORUS	1628	1166	1089	1227	718	1316
	ZINC	1753	1342	1226	1469	919	1515
	BARIUM	0	0	0	0	0	0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	68.0	65-76	71.1	69.6	71.8	
	cSt Viscosity @ 100°C	12.41	11.6-14.8	13.23	12.86	13.43	
	Flashpoint in °F	400	>385	425	460	415	
	Fuel %	<0.5	<1.0	<0.5	<0.5	<0.5	
	Antifreeze %	0.0	0.0	0.0	0.0	0.0	
	Water %	0.0	0.0	0.0	0.0	0.0	
	Insolubles %	0.4	<0.6	0.1	0.1	0.2	
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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