



# Lubricant Analysis Report

North America: +1-877-808-3750  
 Latin America: +1-317-808-3750 / +502-3093-6466 (WhatsApp)  
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0	1	2	3	4
NORMAL		ABNORMAL		CRITICAL

Overall report severity based on comments.

Account Information		Component Information		Sample Information	
Account Number: 122750-0001-0000 Company Name: ARCH OIL COMMENTS Contact: Address:  Phone Number:		Component ID: #4796-1(2) Secondary ID: HONDA S2000 AP1 F20C2 Component Type: UNLEADED GASOLINE ENGINE Manufacturer: HONDA Model: S2000 Application: AUTOMOTIVE Sump Capacity: 5 L		Tracking Number: 00009611924 Lab Number: Z-157660 Lab Location: Poznan Data Analyst: CMD Sampled: 09-Aug-2020 Received: <b>07-Oct-2020</b> Completed: 08-Oct-2020	
Filter Information		Miscellaneous Information		Product Information	
Filter Type: FULLFLOW Micron Rating: 0		Miscellaneous: #4796-2		Product Manufacturer: RAVENOL Product Name: VOLLSYNTH TURBO VST Viscosity Grade: SAE 5W40	
Comments	Flagged data does not indicate an immediate need for maintenance action. Continue to observe the trend and monitor equipment and fluid conditions. Silicon is at a MODERATE LEVEL; SILICON sources can be abrasives (dirt, Alumina Silica), seals and gasket material, lube additive or lube supplement, and/or environmental contaminant; FUEL DILUTION is at a MINOR LEVEL. FUEL DILUTION has caused viscosity to decrease slightly below grade; Please submit a new (unused) sample of this fluid for BASELINE REFERENCE. Lubricant change acknowledged. Your note was taken into consideration.				

Sample #	Wear Metals (ppm)										Contaminant Metals (ppm)			Multi-Source Metals (ppm)					Additive Metals (ppm)					
	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
1	7	0	0	3	6	1	0	0	0	0	50	17	0	0	14	0	0	0	26	8	2365	0	1964	2211
2	13	0	0	4	2	0	0	0	0	0	54	10	0	0	7	0	0	0	43	12	2974	0	1995	2259

Sample #	Sample Information								Contaminants			Fluid Properties					
	Date Sampled	Date Received	Lube Time	Unit Time	Lube Change	Lube Added	Filter Change	Fuel Dilution	Soot	Water	Viscosity 40°C	Viscosity 100 °C	Acid Number	Base No. D4739	Oxidation	Nitration	
			km	km	Yes	L	Filter Change	% Vol	% Vol	% Vol	cSt	cSt	mg KOH/g	mg KOH/g	abs/cm	abs/0.1 mm	
1	11-Jun-2020	07-Oct-2020	282	84744	Yes	5	Unk	<1 - Estimate	<.1	<.1 - FTIR		11.8		7.36	10	4	
2	09-Aug-2020	07-Oct-2020	478	85222	Yes	0	Unk	1.9 - GC	<.1	<.1 - FTIR		11.9		9.23	10	6	

Sample #	Particle Count (particles/mL)										Additional Testing	
	ISO Code	> 4 µm	> 6 µm	> 10 µm	> 14 µm	> 21 µm	> 38 µm	> 70 µm	> 100 µm	Test Method		
1	//											
2	//											

Comments are advisory only and are based on the assumption that the sample and data submitted are valid. Results relate only to the items tested. Missing fluid or component information limits the evaluation. No warranty is expressed or implied. Measurement uncertainty available upon request.

Historical Comments	1	Flagged data does not indicate an immediate need for maintenance action. Continue to observe the trend and monitor equipment and fluid conditions. Silicon is at a MODERATE LEVEL; SILICON sources can be abrasives (dirt, Alumina Silica), seals and gasket material, lube additive or lube supplement, and/or environmental contaminant; Lubricant change acknowledged. Please provide missing FLUID PRODUCT NAME to compare data to the correct standards.
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