POLARIS Laboratories

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	Component ID:	#4796-1(2)	Tracking Number:	00009611925
Company Name:	ARCH OIL COMMENTS	Secondary ID:	HONDA S2000 AP1 F20C2	Lab Number:	Z-157661
Contact:		Component Type:	UNLEADED GASOLINE ENGINE	Lab Location:	Poznan
Address:		Manufacturer:	HONDA	Data Analyst:	AC
		Model:	S2000	Sampled:	11-Jun-2020
Phone Number:		Application:	AUTOMOTIVE	Received:	07-Oct-2020
		Sump Capacity:	5 L	Completed:	08-Oct-2020

Filter Information		Miscellaneous Information		Product Information	
Filter Type:	FULLFLOW	Miscellaneous:	#4796-1	Product Manufacturer:	RAVENOL
Micron Rating:	0			Product Name:	
				Viscosity Grade:	SAE 10W30

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; Lubricant change acknowledged. Please provide missing FLUID PRODUCT NAME to compare data to the correct standards.

	Wear Metals (ppm)										Contaminant Metals (ppm)			Multi-Source Metals (ppm)						Additive Metals (ppm)				
Sample #	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

	Sample Information							Contaminants			Fluid Properties					
Sample #	Date Sampled	Date Received	Lube Time km	Unit Time km	Lube Change	Lube Added L	Filter Change	Fuel Dilution % Vol	Soot % Vol	Water % Vol	Viscosity 40°C cSt	Viscosity 100 °C cSt	Acid Number mg KOH/g	Base No. D4739 mg KOH/g	Oxidation abs/cm	Nitration 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

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

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