

North America: +1-877-458-3315

Overall report severity based on comments.

Account Information											Component Information										Sample Information								
											Component ID: AMSOIL SS 0W20 E Secondary ID: Component Type: UNLEADED GASOLINE ENGINE Manufacturer: HONDA Model: 1.5L Application: AUTOMOTIVE Sump Capacity: 4 qt										Tracking Number: 17172Y04097 Lab Number: I-491525 Lab Location: Indianapolis Data Analyst: CXW Sampled: 20-Nov-2017 Received: 28-Nov-2017 Completed: 29-Nov-2017								
Filter Information											Miscellaneous Information										Product Information								
Filter Type: Information Requested Micron Rating: 0																					Product Manufacturer: AMSOIL Product Name: ASM SIG SERIES SYNTHETIC MOTOR Viscosity Grade: SAE 0W20								
Comments		Check for source of FUEL LEAK. Fuel is at a SEVERE LEVEL. Fuel dilution may be caused by component faults related to injectors, ignition/timing, or excessive blow-by. Additional causes include heavy throttle application, engine lugging, frequent short trips and excessive idling. Suggest monitoring the drain interval and equipment operating temperature. Base Number is SIGNIFICANTLY LOW. Lubricant's ability to neutralize acids may be diminished. Silicon is at a MINOR LEVEL; SILICON sources can be abrasives (dirt, Alumina Silica), seals and gasket material, lube additive or lube supplement, and/or environmental contaminant; Boron is slightly low for this lubricant. Boron levels may naturally decline with use so this is not a cause for concern. Lubricant and filter change acknowledged.																											
	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	28	1	0	11	2	0	0	0	0	1	27	5	1	0	126	0	1	0	39	12	2985	0	602	615					
	Sample Information										Contaminants								Fluid Properties										
Sample#	DateSampled	DateReceived	LubeTime	UnitTime	LubeChange	Lube Added	FilterChange	Fuel Dilution	Soot	Water	Viscosity 40	Viscosity 100	Acid Number	Base Number	Oxidation	Nitration													
			mi	mo		qt		% Vol	% Vol	% Vol	cSt	cSt	mg KOH/g	mg KOH/g	abs/cm	abs/0.1 mm													
1	20-Nov-2017	28-Nov-2017	9898	7	Yes	4	Yes	>5 - GC	0.1 - E2412	<.1 - FTIR		6.7		2.80	46	17													
	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																			

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Comments are advisory only and are based on the assumption that the sample and data submitted are valid. Missing fluid or component information limits the evaluation. No warranty is expressed or implied.

Historical Comments
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