Lubricant Analysis Report

North America: +1-877-458-3315

0	1	2	3	4
NORMAL		ABNORMAL		CRITICAL

Overall report severity based on comments.

Account Information	Component Information	Sample Information
Account Number: [redacted]	Component ID: 20106 HONDA CIVIC 1.5T E	Tracking Number: 16219Q01177
Company Name:	Secondary ID:	Lab Number: E-571249
Contact:	Component Type: UNLEADED GASOLINE ENGINE	Lab Location: Edmonton
Address:	Manufacturer: HONDA	Data Analyst: RNF
	Model: L15B7	Sampled: 08-Mar-2017
	Application: AUTOMOTIVE	Received: 24-Mar-2017
Phone Number:	Sump Capacity: 4 L	Completed: 27-Mar-2017

Filter Information	Miscellaneous Information	Product Information
Filter Type: Information Requested		Product Manufacturer: AMSOIL
Micron Rating: 0		Product Name: ASM SYNTHETIC MOTOR OIL
		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. 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. Unit hours/miles/kilometers not provided for this sample. Your note was taken into consideration. Resample at half interval.

	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	10	0	0	6	1	0	0	0	0	0	18	4	6	0	145	0	0	0	143	57	2927	0	648	689

	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 Number mg KOH/g	Oxidation abs/cm	Nitration abs/0.1 mm
1	08-Mar-2017	24-Mar-2017	7000	0	Yes	0	Yes	>5 - GC	<.1	<.1 - FTIR		6.4		6.89	42	13

	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. Missing fluid or component information limits the evaluation. No warranty is expressed or implied.

Historical Comments