

0	1	2	3	4
NORMAL	ABNORMAL	CRITICAL		

Overall report severity based on comments.

Account Information	Component Information	Sample Information
Account Number: OILANA-7502-4428 Company Name: JEFF MARK Contact: Address: Southern California Phone Number:	Component ID: 2018 CIVIC HATCHBACK E Secondary ID: L15B7 TURBO Component Type: UNLEADED GASOLINE ENGINE Manufacturer: HONDA Model: 1.5L Application: AUTOMOTIVE Sump Capacity: 4 qt	Tracking Number: 18340C25303 Lab Number: I-763442 Lab Location: Indianapolis Data Analyst: JAS Sampled: 25-Aug-2019 Received: 04-Sep-2019 Completed: 05-Sep-2019
Filter Information	Miscellaneous Information	Product Information
Filter Type: FULLFLOW Micron Rating: 0		Product Manufacturer: AMSOIL Product Name: ASM SIG SERIES SYNTHETIC MOTOR Viscosity Grade: SAE 0W20
Comments	High fuel dilution can be common in direct injected engines. Although fuel dilution is flagged at a high level there is no apparent wear. Continue to monitor trend. 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	16	1	1	13	6	0	0	0	0	0	28	6	2	0	237	2	1	0	120	740	1136	0	621	694

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
			mi					mg KOH/g					mg KOH/g	abs/cm	abs/0.1 mm	
	1	25-Aug-2019	04-Sep-2019	3907	5927	Yes	0	Yes	>5 - GC	<.1	<.1 - FTIR		6.8		4.53	45

Sample #	Particle Count (particles/mL)										Additional Testing	
	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	//											

1/4/2019 - Oil changed with Amsoil Signature Series 0w20 @ 2020 miles

3907 miles in 7 months 21 days

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. Measurement uncertainty available upon request.

Historical
Comments