



"Maintaining Oil and Equipment Through Science"

Lubricant Analysis Report

North America: +1-877-971-7799

0	1	2	3	4
NORMAL		ABNORMAL		CRITICAL

Overall report severity based on comments.

Account Information		Component Information		Sample Information	
Account Number: JGLUBR-0007-0033 Company Name: TIME4T LLC Contact: GEOFFREY BAKER Address: 16246 CITRUS PARKWAY #13 CLERMONT, FL 34714 US Phone Number: 484-432-9002		Component ID: 5B4MP67G953399036 EO Secondary ID: 2005 SAFARI SIMBA 34 SBD Component Type: UNLEADED GASOLINE ENGINE Manufacturer: GENERAL MOTORS Model: 8.1 L Application: TRANSPORTATION Sump Capacity: 5 qt		Tracking Number: 17023L00928 Lab Number: I-395231 Lab Location: Indianapolis Data Analyst: BJN Sampled: 06-Oct-2017 Submitted: 06-Oct-2017 Received: 10-Oct-2017 Completed: 12-Oct-2017	
Filter Information		Miscellaneous Information		Product Information	
Filter Type: FULLFLOW Micron Rating:				Product Manufacturer: Information Requested Product Name: Information Requested Viscosity Grade: SAE 5W30	
Comments	SUGGEST investigating source of CONTAMINATION. Sodium is at a SIGNIFICANT LEVEL; Sodium sources: coolant (antifreeze), lube additive or supplement, and/or environmental contaminant; Water is at a MODERATE LEVEL. Viscosity result is invalid due to water contamination. FUEL DILUTION is at a MINOR LEVEL. Please provide missing lubricant information. Manufacturer, product name, and viscosity grade are needed to properly evaluate lubricant properties.				

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	10	0	0	3	4	9	0	0	0	0	12	294	0	0	15	0	0	0	6	13	1642	0	669	793

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 Number	Oxidation	Nitration
			mi	mi		qt		% Vol	% Vol	% Vol	cSt	cSt	mg KOH/g	mg KOH/g	abs/cm	abs/0.1 mm
1	06-Oct-2017	10-Oct-2017	2000	49916	No	0	No	2.0 - GC	<.1	0.2 - Hotplate		WAT		4.91	8	7

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	//										

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