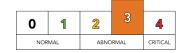


Lubricant Analysis Report

North America: +1-877-971-7799



Overall report severity based on comments.

Account Information	Component Information	Sample Information				
Account Number: JGLUBR-0007-0033	Component ID: 5B4MP67G953399036 EO	Tracking Number: 17023L00928				
Company Name: TIME4T LLC	Secondary ID: 2005 SAFARI SIMBA 34 SBD	Lab Number: I-395231				
Contact: GEOFFREY BAKER	Component Type: UNLEADED GASOLINE	Lab Location: Indianapolis				
Address: 16246 CITRUS PARKWAY	ENGINE Manufacturer: GENERAL MOTORS	Data Analyst: BJN				
#13 CLERMONT, FL 34714 US	Manufacturer: GENERAL MOTORS Model: 8.1 L	Sampled: 06-Oct-2017				
·		Submitted: 06-Oct-2017				
Phone Number: 484-432-9002	Application: TRANSPORTATION	Received: 10-Oct-2017				
	Sump Capacity: 5 qt	Completed: 12-Oct-2017				
Filter Information	Miscellaneous Information	Product Information				
Filter Type: FULLFLOW		Product Manufacturer: Information Requested				
Micron Rating:		Product Name: Information Requested				
		Viscosity Grade: SAE 5W30				

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.

Contaminant

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

		Sample	e Infor	mation					Fluid Properties							
nple #	e Sampled	e Received	Lube Time	Unit Time	e Change	Lube Added	ter Change	Fuel Dilution	Soot	Water	Viscosity 40°C	Viscosity 100 °C	Acid	Base Number	Oxidation	Nitration
Sar	Dat	Date	mi	mi	Lub	qt	Filt	% Vol	% Vol	% Vol	cSt	cSt	mg KOH/g	mg KOH/g		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

				Additional Testing							
#	160.6.1										
e	ISO Code	_									
Sample	Based On 4/6/14	> 4 µm	> 6 µm	> 10 µm	> 14 µm	> 21 µm	> 38 µm	> /0 µm	> 100 µm	Test Method	
	- ' '	μιτι	μιιι	μιτι	μιτι	μιτι	μιτι	μπ	μιιι	Method	
1	//			l							

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