Lubricant Analysis Report

Oil Analyzers INC.

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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:	01 MAXIMA E	Tracking Number:	16356V00369
Company Name:		Secondary ID:	NISSAN VQ30DE/K 3.0L V6	Lab Number:	I-034669
Contact:		Component Type:	UNLEADED GASOLINE ENGINE	Lab Location:	Indianapolis
Address:		Manufacturer:	NISSAN	Data Analyst:	RNM
		Model:	3.0L	Sampled:	02-Apr-2017
Phone Number:		Application:	AUTOMOTIVE	Received:	06-Apr-2017
		Sump Capacity:		Completed:	10-Apr-2017

Filter Information		Miscellaneous Information	Product Information	
Filter Type:	FULLFLOW		Product Manufacturer:	AMSOIL
Micron Rating:	0		Product Name:	AZO SIGNATURE SERIES MOTOR OIL
			Viscosity Grade:	SAE 0W30

Comments	Flagged data does not indicate an immediate need for maintenance action. Continue to observe the trend and monitor equipment and fluid conditions. Base Number is MODERATELY LOW. As Base Number depletes, the ability to neutralize acids is diminished and corrosive wear may occur. Sludge and deposits may form. Viscosity is SLIGHTLY HIGH. Causes include contamination, oxidation, incorrectly identified viscosity grade, or adding a different viscosity grade to the component. 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	18	2	0	5	9	11	0	0	0	0	20	65	1	2	114	0	0	0	34	11	2777	0	574	703

	Sample Information							Contaminants			Fluid Properties					
Sample #	Date Sampled	Date Received	Lube Time mi	Unit Time mi	Lube Change	Lube Added gal	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	02-Apr-2017	06-Apr-2017	10090	90916	Yes	0	Yes	<1 - Estimate	<.1	<.1 - FTIR		12.7		3.74	49	16

	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