Lubricant Analysis Report

North America: +1-877-808-3750
Latin America: +1-317-808-3750 / +502-3093-6466 (WhatsApp)
Europe: +1-317-808-3750

0	1	2	3	4
NORMAL		ABNORMAL		CRITICAL

Overall report severity based on comments.

Account Information	Component Information	Sample Information
Account Number: 153995-0002-0000	Component ID: A7724951 E	Tracking Number: 23325Q25820
Company Name: BOOM & BUCKET	Secondary ID: 2016 JOHN DEERE	Lab Number: H-572433
Contact: KRIS HUFF	Component Type: UNIDENTIFIED ENGINE	Lab Location: Houston
Address: 600 CONGRESS AVE	Manufacturer: Information Requested	Data Analyst: FDL
AUSTIN, TX US	Model: Information Requested	Sampled: 29-Dec-2023
Phone Number: 1888-313-1597/909-846-6495	Application: UNKNOWN	Received: 02-Jan-2024
	Sump Capacity:	Completed: 03-Jan-2024
Filter Information	**Miscellaneous Information**	**Product Information**
Filter Type: Information Requested	Miscellaneous: INFO NOT AVAILABLE	Product Manufacturer: Information Requested
Micron Rating: 0		Product Name: Information Requested
		Viscosity Grade: Information Requested

Comments

Flagged data does not indicate an immediate need for maintenance action. Continue to observe the trend and monitor equipment and fluid conditions. Copper is at a MODERATE LEVEL; COPPER is most likely LEACHING into the oil via the OIL COOLER core tubing. This typically DOES NOT REQUIRE MAINTENANCE ACTION unless there is evidence of COOLANT in the oil. Base number is flagged, however without complete lubricant information, the starting point for this lubricant cannot be determined. FUEL DILUTION is at a MODERATE LEVEL; In order to properly compare data to the correct standards, please provide COMPONENT MANUFACTURER and MODEL, and the FLUID MANUFACTURER, PRODUCT NAME, and VISCOSITY GRADE. Unit and/or lubricant TIME missing. The fuel dilution test was performed using the diesel method. Please specify if this sample is from a diesel or gasoline engine to ensure the appropriate fuel dilution method is utilized.

	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	38	2	0	11	430	5	2	0	0	0	11	8	2	0	254	0	1	0	123	806	1347	0	899	1046

	Sample Information							Contaminants			Fluid Properties					
Sample #	Date Sampled	Date Received	Lube Time h	Unit Time h	Lube Change	Lube Added gal	Filter Change	Fuel Dilution %	Soot %	Water %	Viscosity 40°C cSt	Viscosity 100 °C cSt	Acid Number mg KOH / g	Base No. D4739 mg KOH / g	Oxidation abs / cm	Nitration abs / 0.1mm
1	29-Dec-2023	02-Jan-2024	0	0	Unk	0	Unk	4.2 - GC	0.2 - E2412	<.1 - FTIR		12.4		2.96	13	9

	Particle Count (particles/mL)										Additional Testing
Sample #	ISO Code Based On 4/6/14	> 4 particles / mL	> 6 particles / mL	> 10 particles / mL	> 14 particles / mL	> 21 particles / mL	> 38 particles / mL	> 70 particles / mL	> 100 particles / mL	Test Method	
1	/ /										