



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 Company Name: BOOM & BUCKET Contact: KRIS HUFF Address: 600 CONGRESS AVE AUSTIN, TX US Phone Number: 1888-313-1597/909-846-6495		Component ID: A9516995 Secondary ID: 2019 John Deere 330G Component Type: DIESEL ENGINE Manufacturer: Information Requested Model: Information Requested Application: CONSTRUCTION Sump Capacity: 10 unk		Tracking Number: 23325P25808 Lab Number: S-165661 Lab Location: Salt Lake City Data Analyst: ARF Sampled: 16-May-2024 Submitted: 21-May-2024 Received: 23-May-2024 Completed: 24-May-2024	
Filter Information		Miscellaneous Information		Product Information	
Filter Type: Information Requested Micron Rating: 0				Product Manufacturer: Information Requested 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. Silicon is at a MODERATE LEVEL; SILICON sources can be abrasives (dirt, Alumina Silica), seals and gasket material, lube additive or lube supplement, and/or environmental contaminant; FUEL DILUTION is at a MINOR LEVEL. FUEL DILUTION possibly caused by excessive idling; Unit and/or lubricant TIME missing.			

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	32	1	0	4	222	0	1	0	1	0	51	14	0	0	260	0	2	0	170	777	1649	2	911	1107

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
1	16-May-2024	23-May-2024	0	0	No	0	No	2.2 - GC	<.1	<.1 - FTIR	cSt	cSt	mg KOH / g	mg KOH / g	abs / cm	abs / 0.1mm

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

Comments are advisory only and are based on the sample information provided by the customer being valid. Results related only to the items tested. Missing fluid or component information limits the evaluation. No warranty is expressed or implied. Measurement uncertainty available upon request.