



# 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: 153995-0002-0001 Company Name: BOOM & BUCKET Contact: KRIS HUFF Address: 701 BRAZOS ST AUSTIN, TX 78701 US Phone Number: 909-846-6495		Component ID: 850J E Secondary ID: T0850JR160387 Component Type: DIESEL ENGINE Manufacturer: JOHN DEERE Model: 850J Application: UNKNOWN Sump Capacity:		Tracking Number: 23100A04897 Lab Number: S-976784 Lab Location: Salt Lake City Data Analyst: JXG Sampled: 27-Apr-2023 Received: 02-May-2023 Completed: 03-May-2023	
Filter Information		Miscellaneous Information		Product Information	
Filter Type: <a href="#">Information Requested</a> Micron Rating: 0				Product Manufacturer: <a href="#">Information Requested</a> Product Name: <a href="#">Information Requested</a> Viscosity Grade: <a href="#">Information Requested</a>	
Comments	Suggest INSPECTING COOLING SYSTEM (head gasket, heads, seals, EGR gaskets, etc.) for leaks. Coolant indicators (Sodium and/or Potassium) are at a SIGNIFICANT LEVEL. SUGGEST monitoring OIL PRESSURE closely between samples; LEAD is at a SIGNIFICANT LEVEL and may be OVERLAY METAL from MAIN/ROD BEARINGS; Cylinder region metals (pistons, rings, liners etc.) are at a MODERATE LEVEL; OXIDATION is at a MODERATE level, which may be due to extended drain interval or high operating temperature. Base Number is SLIGHTLY LOW. As Base Number depletes, the ability to neutralize acids is diminished. Suggest taking a coolant sample to help with overall diagnostic assessment. Please provide missing lubricant information. Manufacturer, product name, and viscosity grade are needed to properly evaluate lubricant properties. Unit and/or lubricant TIME missing. Resample at half interval.				

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	115	5	2	4	6	24	1	0	0	0	16	259	192	0	271	0	2	0	50	897	1879	0	1139	1333

Sample Information									Contaminants			Fluid Properties				
Sample #	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
			h	h		gal		%	%	%	cSt	cSt	mg KOH / g	mg KOH / g	abs / cm	abs / 0.1mm
1	27-Apr-2023	02-May-2023	0	0	Unk	0	Unk	<2 - Estimate	0.2 - E2412	<.1 - FTIR		17.3		4.35	24	16

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

Comments are advisory only and are based on the assumption that the sample and data submitted are valid. Results relate only to the items tested. Missing fluid or component information limits the evaluation. No warranty is expressed or implied. Measurement uncertainty available upon request.