POLARIS Laboratories

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	Component ID:	2007 JLG 600AJ E	Tracking Number:	23265W85668
Company Name:	BOOM & BUCKET	Secondary ID:	8424	Lab Number:	S-076405
Contact:	KRIS HUFF	Component Type:	DIESEL ENGINE	Lab Location:	Salt Lake City
Address:	701 BRAZOS ST	Manufacturer:	DEUTZ	Data Analyst:	AC
	AUSTIN, TX 78701 US	Model:	Information Requested	Sampled:	07-Nov-2023
Phone Number:	909-846-6495/888-417-3477	Application:	UNKNOWN	Received:	16-Nov-2023
		Sump Capacity:		Completed:	17-Nov-2023

Filter Information		Miscellaneous Information	Product Information	
Filter Type:	Information Requested		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. Nickel is at a MODERATE LEVEL; Possible valve train (valves, stems, guides etc.) metal; Please provide COMPONENT MODEL number to compare data to the correct standards for this component. Please provide missing lubricant information. Manufacturer, product name, and viscosity grade are needed to properly evaluate lubricant properties. Unit and/or lubricant TIME missing.

	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	15	1	3	4	1	0	0	0	0	0	8	2	1	0	33	1	0	0	76	185	2078	0	1000	1112

	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	07-Nov-2023	16-Nov-2023	0	0	Unk	0	Unk	<2 - Estimate	<.1	<.1 - FTIR		13.7		6.14	9	6

	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	/ /										