



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: 300KW KOHLER GENERATOR E Secondary ID: Component Type: DIESEL ENGINE Manufacturer: DETROIT DIESEL Model: SERIES 60 Application: UNKNOWN Sump Capacity:		Tracking Number: 22222W10904 Lab Number: S-969372 Lab Location: Salt Lake City Data Analyst: ARF Sampled: 07-Apr-2023 Received: 17-Apr-2023 Completed: 19-Apr-2023	
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	Check for source of FUEL LEAK. Fuel is at a SIGNIFICANT LEVEL. Fuel dilution may be caused by component faults related to injectors, ignition/timing or excessive blow-by. Additional causes include heavy throttle application, engine lugging, frequent short trips, and excessive idling. LUBRICANT and FILTER CHANGE is suggested if not done at sampling time. OXIDATION is at a SIGNIFICANT level. Drain interval may be over-extended, or unit may be running too hot. Please provide missing lubricant information. Manufacturer, product name, and viscosity grade are needed to properly evaluate lubricant properties. Unit and/or lubricant TIME missing. Please provide missing application and sump information. Resample at half interval.				

	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	5	0	0	1	1	7	2	0	0	0	8	5	3	0	42	0	0	0	47	526	1722	0	768	888

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	07-Apr-2023	17-Apr-2023	0	0	Unk	0	Unk	6.9 - GC	<.1	<.1 - FTIR		10.8		6.34	25	8

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.