



# 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: A5067887 Secondary ID: 2018 CAT 249D Component Type: DIESEL ENGINE Manufacturer: <a href="#">Information Requested</a> Model: <a href="#">Information Requested</a> Application: CONSTRUCTION Sump Capacity: 10 unk		Tracking Number: 23325P25810 Lab Number: S-171727 Lab Location: Salt Lake City Data Analyst: ARF Sampled: 30-May-2024 Submitted: 03-Jun-2024 Received: 05-Jun-2024 Completed: 06-Jun-2024	
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		Flagged data does not indicate an immediate need for maintenance action. Continue to observe the trend and monitor equipment and fluid conditions. Iron is at a MINOR LEVEL. IRON SOURCES in engines can be cylinder liners, iron pistons, hardened steel camshafts, crankshafts, gears, hardened rocker arms, valve bridges, alloyed steel cam follower rollers, etc. 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. LUBRICANT TIME was not provided for this sample. Your note was taken into consideration.			

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	68	1	0	12	41	3	1	0	0	0	9	8	0	0	43	0	4	0	42	523	1877	3	1015	1198

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	Lube Change	unk	Filter Change	%	%	%	cSt	cSt	mg KOH / g	mg KOH / g	abs / cm	abs / 0.1mm
1	30-May-2024	05-Jun-2024	0	740	No	0	No	0.8 - GC	<.1	<.1 - FTIR		11.9		4.59	17	11

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

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.