



# 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		Component ID: CAT CT660 E Secondary ID: Component Type: DIESEL ENGINE Manufacturer: CATERPILLAR Model: C13 Application: UNKNOWN Sump Capacity:		Tracking Number: 22222W10914 Lab Number: S-865689 Lab Location: Salt Lake City Data Analyst: QWS Sampled: 09-Sep-2022 Received: 21-Sep-2022 Completed: 22-Sep-2022	
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	Suggest checking compression and for engine breather passing oil (blow-by) or similar diagnostics and monitoring engine fault codes. Cylinder region metals (pistons, rings, liners etc.) are at a SIGNIFICANT LEVEL; Silicon is at a MINOR LEVEL; SILICON sources can be abrasives (dirt, Alumina Silica), seals and gasket material, lube additive or lube supplement, and/or environmental contaminant; 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.				

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	92	7	8	11	2	1	1	0	0	0	29	18	7	0	65	0	1	0	2	963	1162	0	1083	1246

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
			h	h	Lube Change	gal	Filter Change	%	%	%	cSt	cSt	mg KOH / g	mg KOH / g	abs / cm	abs / 0.1mm
1	09-Sep-2022	21-Sep-2022	0	0	Unk	0	Unk	<2 - Estimate	0.2 - E2412	<.1 - FTIR		14.5		6.87	12	8

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