



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: 2012CAT299XHP E Secondary ID: NLC00387 Component Type: DIESEL ENGINE Manufacturer: CATERPILLAR Model: Information Requested Application: UNKNOWN Sump Capacity:		Tracking Number: 22245F26745 Lab Number: S-902298 Lab Location: Salt Lake City Data Analyst: FLG Sampled: 21-Nov-2022 Received: 30-Nov-2022 Completed: 02-Dec-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	Data indicates no abnormal findings. Resample at normal interval. 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.				

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	12	0	0	3	2	0	1	0	0	0	10	1	0	0	87	0	0	0	526	452	1499	0	1114	1241

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	21-Nov-2022	30-Nov-2022	0	0	Unk	0	Unk	<2 - Estimate	<.1	<.1 - FTIR		14.8		6.10	12	5		

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 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.