



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: KAWASAKI 60Z E Secondary ID: 60C1-0110 Component Type: DIESEL ENGINE Manufacturer: CUMMINS Model: Information Requested Application: UNKNOWN Sump Capacity:		Tracking Number: 22245F26743 Lab Number: S-902306 Lab Location: Salt Lake City Data Analyst: QWS Sampled: 21-Nov-2022 Received: 30-Nov-2022 Completed: 05-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	Check for source of FUEL LEAK. Fuel is at a SEVERE 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. FUEL DILUTION reduces the viscosity of the lubricant which decreases FILM STRENGTH and LUBRICITY and may lead to increased wear. LUBRICANT and FILTER CHANGE is suggested if not done at sampling time. Base number is flagged, however without complete lubricant information, the starting point for this lubricant cannot be determined. Please provide COMPONENT MODEL number to compare data to the correct standards for this component. Unit and/or lubricant TIME missing. Please provide missing application and sump information. Resample at half interval.				

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	14	0	0	1	0	4	0	0	0	0	5	1	0	0	46	0	0	0	148	650	1353	0	678	768

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	gal	Filter Change	%	%	%	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	7.5 - GC	<.1	<.1 - FTIR		11.2		3.42	15	9

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.