



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: 2015 CAT 966M Secondary ID: CAT0966MPKJP01166 Component Type: DIESEL ENGINE Manufacturer: Information Requested Model: Information Requested Application: SANITATION Sump Capacity: 10 unk		Tracking Number: 23249R06296 Lab Number: S-150956 Lab Location: Salt Lake City Data Analyst: ARF Sampled: 19-Apr-2024 Submitted: 19-Apr-2024 Received: 25-Apr-2024 Completed: 26-Apr-2024	
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. LUBRICANT and FILTER CHANGE is suggested if not done at sampling time. Low viscosity may be due to FUEL DILUTION. FUEL DILUTION reduces the viscosity of the lubricant which decreases FILM STRENGTH and LUBRICITY and may lead to increased wear. Aluminum is at a MINOR LEVEL; ALUMINUM sources in ENGINES include pistons, block and components (intake manifold, head, bearing caps), thrust bearings, main/rod bearing overlay or backing, alumina silica, or contamination from grease. 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. Unit and/or lubricant TIME missing. 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	29	1	0	18	1	2	1	0	0	0	10	4	1	0	34	0	0	0	29	465	1508	0	703	827

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	unk	Filter Change	%	%	%	cSt	cSt	mg KOH / g	mg KOH / g	abs / cm	abs / 0.1mm
1	19-Apr-2024	25-Apr-2024	0	0	No	0	No	>10 - GC	0.2 - E2412	<.1 - FTIR		8.9		5.32	14	7

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