



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: 1998 CASE 570 XLT Secondary ID: JG0260804 Component Type: DIESEL ENGINE Manufacturer: Information Requested Model: Information Requested Application: SANITATION Sump Capacity: 1 unk		Tracking Number: 23265Y85691 Lab Number: S-150957 Lab Location: Salt Lake City Data Analyst: KDN 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		Suggest INSPECTING or using a BORESCOPE to check for SEVERE CYLINDER REGION WEAR (liners, pistons, rings). Check air induction system (filters, housings, air intake, etc.) for source of abrasives (dirt). Abrasives are at a SEVERE LEVEL: LUBRICANT and FILTER CHANGE is suggested if not done at sampling time. Cylinder region metals (pistons, rings, liners etc.) are at a SEVERE LEVEL; 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	98	18	1	47	1	1	1	0	0	0	123	13	18	3	2	0	2	0	185	35	2248	1	1019	1171

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		unk		%	%	%	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	<2 - Estimate	<.1	<.1 - FTIR		14.0		6.99	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.