



# 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: 153995-0000-0000 Company Name: BOOM AND BUCKET Contact: ADAM LAWRENCE/KRIS HUFF Address: C/O SAMIR SHAH 701 BRAZOS ST STE 300 AUSTIN, TX US Phone Number: 213-463-5980/775-225-3529		Component ID: A0161792 E Secondary ID: SN:02530 Component Type: LIQUID PETROLEUM GAS ENGINE Manufacturer: <a href="#">Information Requested</a> Model: <a href="#">Information Requested</a> Application: UNKNOWN Sump Capacity:		Tracking Number: 23265A85711 Lab Number: H-830191 Lab Location: Houston Data Analyst: ZXH Sampled: 10-Sep-2024 Received: 12-Sep-2024 Completed: 16-Sep-2024	
Filter Information		Miscellaneous Information		Product Information	
Filter Type: <a href="#">Information Requested</a> Micron Rating: 0				Product Manufacturer: <a href="#">Information Requested</a> Product Name: <a href="#">Information Requested</a> Viscosity Grade: <a href="#">Information Requested</a>	
Comments		Check air induction system (filters, housings, air intake, etc.) for source of abrasives (dirt). Abrasives (Silicon) are at a SIGNIFICANT LEVEL; Suggest checking compression and for engine breather passing oil (blow-by) or similar diagnostics and monitoring engine fault codes. LUBRICANT and FILTER CHANGE is suggested if not done at sampling time. Particle Count is at a SIGNIFICANT LEVEL. Cylinder region metals (pistons, rings, liners etc.) are at a SIGNIFICANT LEVEL; Copper is at a MODERATE LEVEL; COPPER is most likely LEACHING into the oil via the OIL COOLER core tubing. This typically DOES NOT REQUIRE MAINTENANCE ACTION unless there is evidence of COOLANT in the oil. Silver Possibly from solder; 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	140	1	0	16	44	1	1	0	2	0	67	5	5	0	752	0	4	0	0	16	1724	9	680	736

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	10-Sep-2024	12-Sep-2024	0	0	Unk	0	Unk				<.1 - FTIR	7.9	1.37		7	7	

Sample #	Particle Count (particles/mL)										Test Method
	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	25 / 22 / 13	170164	21715	570	50	3	0	0	0	ASTM D7647	

Comments are advisory only and are based on the sample information provided by the customer being valid. Results related only to the items tested. Missing fluid or component information limits the evaluation. No warranty is expressed or implied. Measurement uncertainty available upon request.