



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: A4405315 E Secondary ID: SN#18117 Component Type: DIESEL ENGINE Manufacturer: Information Requested Model: Information Requested Application: UNKNOWN Sump Capacity:		Tracking Number: 23325Q25823 Lab Number: H-830149 Lab Location: Houston Data Analyst: R9G Sampled: 10-Sep-2024 Received: 12-Sep-2024 Completed: 13-Sep-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 air induction system (filters, housings, air intake, etc.) for source of abrasives (dirt). Abrasives (Silicon) are at a SIGNIFICANT LEVEL; LUBRICANT and FILTER CHANGE is suggested if not done at sampling time. Chrome is at a MODERATE LEVEL and is possibly coming from piston ring plating; 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. Please provide missing application and sump information. Unit hours/miles/kilometers not provided for this sample. 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	46	8	1	7	3	1	0	0	0	0	62	4	1	0	139	0	1	0	127	784	1362	0	814	897

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	10-Sep-2024	12-Sep-2024	400000	0	Unk	0	Unk	<2 - Estimate	<.1	<.1 - FTIR		14.2		6.39	11	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 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.