



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 71 PARK DRIVE AHERTON, CA 94027 US Phone Number: 213-463-5980/775-225-3529		Component ID: HYUNDAI/HX2202/2017 E Secondary ID: HHKHK601HH000429 Component Type: DIESEL ENGINE Manufacturer: Information Requested Model: Information Requested Application: UNKNOWN Sump Capacity:		Tracking Number: 23249R06301 Lab Number: S-067804 Lab Location: Salt Lake City Data Analyst: ARF Sampled: 26-Oct-2023 Received: 31-Oct-2023 Completed: 07-Nov-2023	
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. Base number is flagged, however without complete lubricant information, the starting point for this lubricant cannot be determined. 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. 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	23	1	0	5	2	0	1	0	0	0	6	2	0	0	61	0	0	0	4	907	1027	0	982	1157

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	gal		%	%	%	cSt	cSt	mg KOH / g	mg KOH / g	abs / cm	abs / 0.1mm		
1	26-Oct-2023	31-Oct-2023	0	0	Unk	0	Unk	7.9 - GC	0.1 - E2412	<.1 - FTIR		11.4		3.33	17	10	

Sample #	Particle Count (particles/mL)										Additional Testing
	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.