



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: 153995-0001-0000 Company Name: HEBRON & TRUCKS Contact: ENRIQUE SALAZAR Address: Phone Number: 818-464-8125		Component ID: 22125J04580 H Secondary ID: Component Type: HYDRAULIC Manufacturer: Information Requested Model: Information Requested Application: UNKNOWN Sump Capacity:		Tracking Number: 22125J04580 Lab Number: S-817712 Lab Location: Salt Lake City Data Analyst: JUK Sampled: 20-Jun-2022 Received: 23-Jun-2022 Completed: 28-Jun-2022	
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	Flagged data does not indicate an immediate need for maintenance action. Continue to observe the trend and monitor equipment and fluid conditions. Silicon is at a MODERATE LEVEL; SILICON sources can be abrasives (dirt, Alumina Silica), seals and gasket material, lube additive or lube supplement, and/or environmental contaminant; In order to evaluate OXIDATION and NITRATION, please provide lubricant manufacturer and product name; 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.				

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	2	0	0	0	3	3	0	0	0	0	58	1	1	0	0	0	0	0	0	1	8	0	173	72

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	No	gal	No	%	%	%	cSt	cSt	mg KOH / g	mg KOH / g	abs / cm	abs / 0.1mm
1	20-Jun-2022	23-Jun-2022	0	0	No	0	No			<.1 - FTIR		10.5	0.01		38	3

Particle Count (particles/mL)										Additional Testing		
Sample #	ISO Code	> 4	> 6	> 10	> 14	> 21	> 38	> 70	> 100	Test Method		
	Based On 4/6/14	particles / mL	particles / mL	particles / mL	particles / mL	particles / mL	particles / mL	particles / mL	particles / mL			
1	21 / 19 / 15	14559	3781	818	312	119	2	2	2	ASTM D7647		

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.



Coolant Analysis Report

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0	1	2	3	4
NORMAL	ABNORMAL		CRITICAL	

Overall report severity based on comments.

Account Information	Component Information	Sample Information
Account Number: 153995-0001-0000 Company Name: HEBRON & TRUCKS Contact: ENRIQUE SALAZAR Address: Phone Number: 818-464-8125	Component ID: 22125J04579 COOL Secondary ID: Component Type: COOLANT - HYBRID EG USED Manufacturer: Information Requested Model: Information Requested Application: UNKNOWN System Capacity:	Tracking Number: 22125J04579 Lab Number: S-817637 Lab Location: Salt Lake City Data Analyst: JAS Sampled: 20-Jun-2022 Received: 23-Jun-2022 Completed: 29-Jun-2022
	Miscellaneous Information	Product Information
		Product Manufacturer: Information Requested Product Name: Information Requested
Comments	Data indicates no abnormal findings. Resample at normal interval. Please provide missing ENGINE MANUFACTURER and MODEL; Please provide missing COOLANT MANUFACTURER and PRODUCT NAME; Please provide this units sump capacity with next sample.	

Sample #	Sample Information							Corrosion Metals (ppm)							Contaminants (ppm)		Corrosion Inhibitors (ppm)			Carrier Salts (ppm/10)			
	Date Sampled	Date Received	Coolant Time h	Unit Time h	Coolant Change	SCA Added gal	Filter Change	Iron	Aluminum	Copper	Lead	Tin	Silver	Zinc	Titanium	Calcium	Magnesium	Silicon	Phosphates	Boron	Molybdenum	Sodium	Potassium
1	20-Jun-2022	23-Jun-2022	0	0	No	0	No	0	0	0	0	0	0	1		5	7	50	37	1112	0	526	5

Visual Testing							
#	Foam	Color	Oil	Fuel	Magnetic Precipitate	Non-Magnetic Precipitation	Odor
1	None	Clear Green	None	None	Minor Flake	Minor Flake	None

Basic Testing									
#	Freeze Point (°F)	Boil Point (°F)	Antifreeze Percent (%)	pH Waters (pH)	Total Hardness (ppm)	Nitrite (ppm)	Specific Conductance (µS / cm)	SCA Number (units / gal)	Carboxylic Acid (Pass / Fail)
1	-35	225	51	7.7	37	2200 - Strip	4580	2.2	

Additional Testing	
Sample #	Total Dissolved Solids ppm
1	2427

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Account Information		Component Information		Sample Information	
Account Number: 153995-0001-0000 Company Name: HEBRON & TRUCKS Contact: ENRIQUE SALAZAR Address: Phone Number: 818-464-8125		Component ID: 22125J04578 E Secondary ID: Component Type: DIESEL ENGINE Manufacturer: Information Requested Model: Information Requested Application: UNKNOWN Sump Capacity:		Tracking Number: 22125J04578 Lab Number: S-817613 Lab Location: Salt Lake City Data Analyst: FLG Sampled: 20-Jun-2022 Received: 23-Jun-2022 Completed: 24-Jun-2022	
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	Data indicates no abnormal findings. Resample at normal interval. 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 hours/miles/kilometers not provided for this sample.				

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	5	0	0	1	10	0	0	0	0	0	2	3	2	0	8	0	3	0	14	104	2819	2	983	1086

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	20-Jun-2022	23-Jun-2022	17	0	No	0	No	<2 - Estimate	<.1	<.1 - FTIR		13.5		9.56	10	4	

Sample #	Particle Count (particles/mL)									Test Method	Additional Testing	
	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	4/6/14	/ /										

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