

0	1	2	3	4
NORMAL		ABNORMAL		CRITICAL

Overall report severity based on comments.

Account Information		Component Information				Sample Information			
		Equipment ID: 2021 RAM TRX Secondary ID: Component Type: ALCOHOL/ETHANOL FUELED ENGINE Manufacturer: RAM TRUCKS Model: <a href="#">Information Requested</a> Application: AUTOMOTIVE Sump Capacity: 8 qt				Tracking Number: 25139L26685 Lab Number: I-041268 Lab Location: Indianapolis Data Analyst: KDN Sampled: 22-Sep-2025 Submitted: 22-Sep-2025 Received: 24-Sep-2025 Completed: 30-Sep-2025			
Filter Information		Miscellaneous Information				Product Information			
Filter Type: <a href="#">Information Requested</a> Micron Rating: 0						Product Manufacturer: RED LINE Product Name: HIGH PERFORMANCE MOTOR OIL Viscosity Grade: SAE 5W50			
Comments	Flagged data does not indicate an immediate need for maintenance action. Continue to observe the trend and monitor equipment and fluid conditions. Copper is at a MINOR LEVEL; Please provide COMPONENT MODEL number to compare data to the correct standards for this component.								

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	11	0	0	2	70	1	0	0	0	0	4	9	1	0	221	0	0	2	166	691	917	0	923	978
2	9	0	0	4	64	0	0	0	0	0	8	8	1	0	472	0	0	0	53	96	2867	0	1115	1223

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
			mi	mi	Lube Change	qt	Filter Change	%	%	%	cSt	cSt	mg KOH / g	mg KOH / g	abs / cm	abs / 0.1mm
1	01-Jun-2025	04-Jun-2025	2297	25937	Yes	0	Yes	2.7 - GC	<.1 - E2412	<.1 - FTIR		14.8		4.75	15	11
2	22-Sep-2025	24-Sep-2025	2422	28884	No	0	No	<1 - Estimate	<.1 - E2412	<.1 - FTIR		20.2		7.15	75	11

Sample #	Particle Count (particles/mL)									Test Method	Additional Testing	
	ISO Code	> 4	> 6	> 10	> 14	> 21	> 38	> 70	> 100			
	Based On 4/6/14	particles / mL	particles / mL	particles / mL	particles / mL	particles / mL	particles / mL	particles / mL	particles / mL			
1	//											
2	//											

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.

Historical Comments	1	Flagged data does not indicate an immediate need for maintenance action. Continue to observe the trend and monitor equipment and fluid conditions. FUEL DILUTION is at a MODERATE LEVEL; FUEL DILUTION has caused viscosity to decrease moderately; Copper is at a MINOR LEVEL; Most of the COPPER may be from fuel lines or similar tubing; Please provide COMPONENT MANUFACTURER and MODEL to compare data to the correct standards for this component. Please provide missing FLUID PRODUCT NAME to compare data to the correct standards. Lubricant and filter change acknowledged.
---------------------	---	---