

Lubricant Analysis Report

North America: +1-866-211-7420

0	1	2	3	4	
NOR	MAL	ABNC	CRITICAL		

Overall report severity based on comments.

Additional Testing

Account Information	Component Information	Sample Information					
	Component ID: 22 RAM	Tracking Number: 21111G52817					
	Secondary ID: 2022 Ram 2500	Lab Number: S-237063					
	Component Type: DIESEL ENGINE	Lab Location: Salt Lake City					
	Manufacturer: CUMMINS	Data Analyst: JAS					
	Model: 6.7L TURBO	Sampled: 08-Oct-2024					
	Application: AUTOMOTIVE	Received: 10-Oct-2024					
	Sump Capacity: 12 qt	Completed: 11-Oct-2024					
Filter Information	Miscellaneous Information	Product Information					
Filter Type: FULLFLOW		Product Manufacturer: AMSOIL					
Micron Rating: 20		Product Name: ADO HEAVY DUTY SYN DIESEL OIL Viscosity Grade: SAE 5W40					

Flagged data does not indicate an immediate need for maintenance action. Continue to observe the trend and monitor equipment and fluid conditions. 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. Iron is at a MINOR LEVEL. IRON SOURCES in engines can be cylinder liners, iron pistons, hardened steel camshafts, crankshafts, gears, hardened rocker arms, valve bridges, alloyed steel cam follower rollers, etc. Lubricant and filter change acknowledged.

	Wear Metals (ppm)											Contaminant Metals (ppm) Multi-Source Metals (ppm)					Additive Metals (ppm)							
Sample #	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
2	40	1	0	2	254	0	0	0	1	0	8	3	1	0	3	1	1	0	5	31	2403	0	965	1125
1	24	0	0	1	16	0	0	0	0	0	6	2	2	0	4	1	0	0	12	32	2247	0	938	1044

		Sampl	e Inforr	mation					Fluid Properties							
mple #	ite Sampled	ate Received	Lube Time	Unit Time	ube Change	Lube Added	lter Change	Fuel Dilution	Soot	Water	Viscosity 40°C	Viscosity 100°C	a Acid Number	Base No. © D4739	sq Oxidation	y sde /
Sa	٥	۵	mi	mi	Lu	qt	壴	%	%	%	cSt	cSt	KOH/g	KOH/g	cm	0.1mm
2	08-Oct-2024	10-Oct-2024	5400	14715	Yes	0	Yes	<2 - Estimate	0.1 - E2412	<.1 - FTIR		13.5		4.01	10	9
1	18-Apr-2024	23-Apr-2024	2391	11706	No	0	No	<2 - Estimate	<.1	<.1 - FTIR		13.8		5.30	8	6

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 Flagged data does not indicate an immediate need for maintenance action. Continue to observe the trend and monitor equipment and fluid conditions. Magnesium is slightly high for this lubricant.

