



Sales and Service

Lubricant Analysis Report

North America: +1-866-211-7420

0	1	2	3	4
NORMAL		ABNORMAL		CRITICAL

Overall report severity based on comments.

Account Information		Component Information		Sample Information	
Account Number: [REDACTED] Company Name: [REDACTED] Contact: [REDACTED] Address: [REDACTED] Phone Number: [REDACTED]		Component ID: RAM 1500 ECODIESEL 3L V6 Secondary ID: Component Type: DIESEL ENGINE Manufacturer: MOPAR Model: 1500 ECODIESEL Application: LIGHT VEHICLE Sump Capacity: 9 qt		Tracking Number: [REDACTED] Lab Number: [REDACTED] Lab Location: Indianapolis Data Analyst: [REDACTED] Sampled: 12-Apr-2024 Submitted: 13-Apr-2024 Received: 17-Apr-2024 Completed: 18-Apr-2024	
Filter Information		Miscellaneous Information		Product Information	
Filter Type: CARTRIDGE Micron Rating: 0				Product Manufacturer: QUAKER STATE Product Name: EURO FULL SYNTHETIC Viscosity Grade: SAE 5W40	
Comments	Flagged data does not indicate an immediate need for maintenance action. Continue to observe the trend and monitor equipment and fluid conditions. Viscosity is SLIGHTLY LOW. Causes include contamination, incorrectly identified viscosity grade, or adding a different viscosity grade to the component. Unit hours/miles/kilometers not provided for this sample. Lubricant and filter change acknowledged. Sample information has been added or tests have been rerun or additional testing was added and the report has been regenerated.				

	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
1	16	1	1	9	2	1	1	0	0	0	7	2	1	0	91	1	1	0	193	1117	1482	0	971	1022

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
			mi	mi		qt		%	%	%	cSt	cSt	mg KOH / g	mg KOH / g	abs / cm	abs / 0.1mm
1	12-Apr-2024	17-Apr-2024	4625	0	Yes	0	Yes	1.6 - GC	<.1	<.1 - FTIR		12.3	3.37	8.15	12	11

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 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.