

Overall report severity based on comments.

Account Information		Component Information		Sample Information	
Account Number: [REDACTED]	Equipment ID: 25 GLADIATOR	Tracking Number: [REDACTED]	Company Name: [REDACTED]	Secondary ID:	Lab Number: I-830887
Contact: [REDACTED]	Component Type: UNLEADED GASOLINE	Lab Location: Indianapolis	Address: [REDACTED]	ENGINE	Data Analyst: KDN
Phone Number: [REDACTED]	Manufacturer: JEEP	Sampled: 08-Jun-2025		Model: 3.6L	Submitted: 09-Jun-2025
	Application: AUTOMOTIVE	Received: 20-Jun-2025		Sump Capacity: 5 qt	Completed: 23-Jun-2025
Filter Information		Miscellaneous Information		Product Information	
Filter Type: FULLFLOW				Product Manufacturer: QUAKER STATE	
Micron Rating: 25				Product Name: FULL SYNTHETIC MOTOR OIL	
				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 MODERATELY LOW. Causes include contamination, incorrectly identified viscosity grade, or adding a different viscosity grade to the component. Lubricant and filter change acknowledged.				

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	8	0	0	2	3	0	1	0	0	0	23	3	1	0	118	0	2	1	45	325	914	0	501	617
2	14	1	0	3	4	0	0	0	0	0	13	5	1	0	104	0	2	0	165	921	1336	0	797	905

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	Yes	qt	Filter Change	%	%	%	cSt	cSt	mg KOH/g	mg KOH/g	abs/cm	abs/0.1mm
1	17-Apr-2025	30-Apr-2025	3292	6768	Yes	0	Yes	1.3 - GC	<.1 - E2412	<.1 - FTIR		9.4		3.53	8	8
2	08-Jun-2025	20-Jun-2025	3067	9835	Yes	0	Yes					11.4		7.23		

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	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
	Data indicates no abnormal findings. Resample at normal interval. Lubricant and filter change acknowledged.

