

0	1	2	3	4
NORMAL		ABNORMAL	CRITICAL	

Overall report severity based on comments.

Account Information		Component Information		Sample Information	
Account Number: OILANA-4751-0000 Company Name: ACTION AXLE Contact: TONY HUFF Address: 8761 AIRPORT RD STE B REDDING, CA 96002 US Phone Number: 530-222-1360		Component ID: HUFF GLADIATOR E Secondary ID: Component Type: DIESEL ENGINE Manufacturer: JEEP Model: Information Requested Application: AUTOMOTIVE Sump Capacity: 9 qt		Tracking Number: 18348D65710 Lab Number: S-658195 Lab Location: Salt Lake City Data Analyst: JAS Sampled: 17-Aug-2021 Received: 23-Aug-2021 Completed: 24-Aug-2021	
Filter Information		Miscellaneous Information		Product Information	
Filter Type: FULLFLOW Micron Rating: 0				Product Manufacturer: AMSOIL Product Name: EFM EUROPEAN CAR FORMULA 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. Silicon is at a MINOR LEVEL; SILICON sources can be abrasives (dirt, Alumina Silica), seals and gasket material, lube additive or lube supplement, and/or environmental contaminant; Flagged additive levels are different than what should be present for the identified lubricant. This may have been topped off with a different lubricant, the fluid may be misidentified, or a different lubricant or formulation may have been in use prior to a recent change. Please provide COMPONENT MODEL number to compare data to the correct standards for this 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	48	1	1	9	11	0	0	0	0	0	24	6	15	0	11	0	2	0	52	15	2772	0	915	1011

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		qt		%	%	%	cSt	cSt	mg KOH/g	mg KOH/g	abs/cm	abs/0.1 mm
1	17-Aug-2021	23-Aug-2021	6888	10024	Yes	0	Yes	0.9 - GC	0.2 - E2412	<.1 - FTIR		12.6		6.02	9	9

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

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.