SPEEDiagnostix

How To Know You're Good To Go®

Results Color Codes	
Results outside the normal range are highlighted red	
Results with borderline values are highlighted yellow	
Results within the normal range are highlighted green	

Oil Analysis Report

Name:	[redacted]	**Sample Type:**	Engine
Unit ID:	GMC Yukon 3.0	**Condition:**	**Monitor**

Sample Information		Previous Samples			
Sample ID #:	AAB-7852	-	-	-	
Sample Date:	10/17/25	-	-	-	
Oil Brand:	ACDELCO	-	-	-	
Viscosity Grade:	0W-20	-	-	-	
Miles:	3,868	-	-	-	

Oil Health	Test Results	Previous Sample Results			Legend
Viscosity @ 100C:	8.04	-	-	-	cSt Flow Measurement
Oxidation Value:	11.05	-	-	-	Oil Life
Fuel Dilution:	1.64	-	-	-	Contamination
Soot:	0.68%	-	-	-	Contamination
Water:	**Negative**	-	-	-	Contamination
Glycol:	**Negative**	-	-	-	Contamination
Potassium:	7	-	-	-	Contamination / Coolant
Silicon:	33	-	-	-	Anti-Foam, Dirt
Additives (ppm):					
Calcium	1363	-	-	-	Detergent
Sodium	4	-	-	-	Detergent
Magnesium	13	-	-	-	Detergent
Phosphorus	671	-	-	-	Anti-Wear
Zinc	1003	-	-	-	Anti-Wear
Molybdenum	21	-	-	-	Friction Reducer
Boron	19	-	-	-	Dispersant / Friction Reducer

Equipment Health		Test Results	Previous Sample Results			Legend
Wear Trend:						
	Iron	55	-	-	-	Valvetrain, Cylinder Bore Wear
	Chromium	2	-	-	-	Piston Ring Wear
	Copper	10	-	-	-	Bushing, Bearing Wear
	Tin	3	-	-	-	Moly Additive / Bearing Wear
	Lead	0	-	-	-	Bearing Wear
	Aluminum	5	-	-	-	Piston, Aluminum Bore Wear
	Manganese	4	-	-	-	Valve Guide Wear/Octane Booster
	Nickel	1	-	-	-	Nikasil Bore Wear
	Titanium	0	-	-	-	Wrist Pin, Retainer Wear
	Total Metals:	77	-	-	-	Total Wear Metals
	Wear / 1000 Miles:	19.9	-	-	-	Wear Metals / 1000 Miles

Comments / Recommendations

Silicon is elevated, which is typical for new engine break-in. All other measured results are within normal ranges, but the wear rate per 1,000 miles is high, which again is typical for new engine break-in. Resample at next oil change (4,000 to 5,000 miles) to monitor and establish the trend analysis. Some customers are seeing better results with the Mobil 1 ESP 0W-30 or 0W-40 in these engines.