



OIL REPORT

LAB NUMBER: P40884

UNIT ID: 04 TAHOE

REPORT DATE: 2/17/2022

CLIENT ID: 196532

CODE: 146/698

PAYMENT: CC: Visa

UNIT	MAKE/MODEL: GM 6.0L V-8	OIL TYPE & GRADE: Synthetic 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 3,500 Miles
	ADDITIONAL INFO:	

CLIENT	DANIEL CHARLES	PHONE: (321) 297-6242
	14801 PEEBLES DR	FAX:
	ASTATULA, FL 34705	ALT PHONE:
		EMAIL: Daniel.Charles.1540@gmail.com

COMMENTS DANIEL: Sampling from the oil filter is okay; it tests the same. The universal averages for the Vortec 6000 show wear after ~4,900 miles of oil use. You went 3,500 miles, and aluminum and iron are roughly two times higher than average. They show more wear at the pistons and steel parts, respectively, but we wouldn't rush to judgment. How this Tahoe is used could be a factor in the higher metals. Lots of city driving can lead to an engine wearing more than average. The TBN is okay at 2.9, but resample in 3,500 miles. Let's see how metals start to trend.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	3,500	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit							
	Sample Date	1/2/2022						
	Make Up Oil Added	1 qt						
ALUMINUM	8	8					3	
CHROMIUM	3	3					1	
IRON	36	36					20	
COPPER	11	11					23	
LEAD	5	5					5	
TIN	1	1					1	
MOLYBDENUM	73	73					69	
NICKEL	1	1					1	
MANGANESE	1	1					30	
SILVER	0	0					0	
TITANIUM	1	1					2	
POTASSIUM	2	2					2	
BORON	38	38					42	
SILICON	17	17					11	
SODIUM	5	5					38	
CALCIUM	951	951					1810	
MAGNESIUM	584	584					273	
PHOSPHORUS	638	638					711	
ZINC	704	704					837	
BARIUM	0	0					0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	58.5	56-63				
	cSt Viscosity @ 100°C	9.80	9.1-11.3				
	Flashpoint in °F	395	>385				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	0.0				
	Insolubles %	0.3	<0.6				
	TBN	2.9	>1.0				
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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