



OIL REPORT

LAB NUMBER: F98018
 REPORT DATE: 2/25/2014
 CODE: 20/75

UNIT ID: 2012 VOLT-T
 CLIENT ID: 70562
 PAYMENT: CC: MC

UNIT	MAKE/MODEL: Transmission GM Voltec 4ET50 CVT	OIL TYPE & GRADE: Dexron 6 ATF
	FUEL TYPE:	OIL USE INTERVAL: 79,500 Miles
	ADDITIONAL INFO:	

CLIENT	PETER GEIS	PHONE: (607) 527-5006
	31011 MCCORMICK SWAMP RD	FAX:
	PRINCESS ANNE, MD 21853	ALT PHONE:
		EMAIL: pgwipeout@gmail.com

COMMENTS PETER: This is the first fluid sample we've seen from the Volt's 4ET50 transaxle system, so don't put too much stock in comparing this with universal average levels yet. We started with average numbers from a similar type of transmission, but we'll have to watch trends develop before we know for sure what normal levels are in this type of system. We can say that this sample looks really good for 79,500 miles on the factory fill -- wear metals are fairly low, and there are no signs of moisture, dirt, or insolubles in this fluid. We don't see any problems to report here.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	79,500	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	79,500						
	Sample Date	02/17/14						
	Make Up Oil Added							
ALUMINUM	6	6					11	
CHROMIUM	0	0					0	
IRON	85	85					77	
COPPER	39	39					52	
LEAD	1	1					8	
TIN	2	2					2	
MOLYBDENUM	0	0					0	
NICKEL	0	0					1	
MANGANESE	3	3					9	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM	7	7					6	
BORON	53	53					60	
SILICON	4	4					7	
SODIUM	10	10					11	
CALCIUM	74	74					82	
MAGNESIUM	1	1					1	
PHOSPHORUS	186	186					208	
ZINC	10	10					13	
BARIUM	1	1					1	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	44.8	43-51				
	cSt Viscosity @ 100°C	5.66	5.1-7.9				
	Flashpoint in °F	435	>315				
	Fuel %	-					
	Antifreeze %	0.0					
	Water %	0.0	<0.1				
	Insolubles %	0.0	<0.1				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com