



OIL REPORT

UNIT	MAKE/MODEL:	Mazda 2.5L I-4 SkyActiv-G Turbo	OIL TYPE & GRADE:	Valvoline Synthetic 5W/30
	FUEL TYPE:	Gasoline (Unleaded)	OIL USE INTERVAL:	5,000 Miles
	ADDITIONAL INFO:	2016		

CLIENT	
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COMMENTS	KEVIN: Fuel dilution tested at 3.0% time, which thinned the viscosity below the 5W/30 range. This is more fuel than we can normally chalk up to normal use, so keep an eye on the oil level during the next run in case this shows a developing fuel system issue. Silicon is stable. We're still not exactly sure what the source of it is, but again it looks to be harmless, so we'll just keep an eye on it. Metals are stable showing wearing parts are getting along well together. If the oil level is fine during this interval just check back at the next oil change and we'll see how it looks.
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ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5,000	UNIT / LOCATION AVERAGES	5,500					UNIVERSAL AVERAGES
	MI/HR on Unit	60,117		55,236					
	Sample Date	2/27/2022		9/29/2021					
	Make Up Oil Added	0 qts		0 qts					
	ALUMINUM	4		4					
	CHROMIUM	0		0					
	IRON	7		8					
	COPPER	1		1					
	LEAD	0		0					
	TIN	0		0					
	MOLYBDENUM	274		256					
	NICKEL	0		0					
	MANGANESE	0		0					
	SILVER	0		0					
	TITANIUM	0		0					
	POTASSIUM	2		5					
	BORON	36		30					
	SILICON	19		19					
	SODIUM	5		5					
	CALCIUM	1316		1303					
	MAGNESIUM	489		497					
	PHOSPHORUS	678		666					
	ZINC	792		795					
	BARIUM	0		0					

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	50.8	55-62	53.8				
	cSt Viscosity @ 100°C	7.51	8.8-11.1	8.43				
	Flashpoint in °F	325	>385	395				
	Fuel %	3.0	<2.0	<0.5				
	Antifreeze %	0.0	0.0	0.0				
	Water %	0.0	<0.1	0.0				
	Insolubles %	0.3	<0.6	0.1				
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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