



OIL REPORT

LAB NUMBER: P83093

UNIT ID: 21 CX5

REPORT DATE: 6/13/2022

CLIENT ID: 138607

CODE: 63/68

PAYMENT: CC Online

UNIT	MAKE/MODEL: Mazda 2.5L SkyActiv-G I-4 Turbo	OIL TYPE & GRADE: Valvoline Synthetic 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 6,196 Miles
	ADDITIONAL INFO:	

CLIENT	BOB FRITH	PHONE: (260) 630-6303
	BOB TOLEMAC WAY	FAX:
	PRESCOTT, AZ 86305	ALT PHONE:
		EMAIL: bobfrith@gmail.com

COMMENTS BOB: The first report for your CX-5-GTR is nearly perfect. The only bold marks are on the viscosity measurements, which tested just below what we'd expect from used 5W/30. The 405°F flashpoint shows the oil wasn't thinned down by fuel, though, and the wear levels show that the oil still did its job very well -- slightly thin viscosity and all. Universal averages show typical wear for the 2.5L Turbo with about 6,100 miles on the oil. Your near-average metal levels after a similar interval bode well for this engine's internal parts. Nice Mazda!

	MI/HR on Oil	6,196	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	12,470						
	Sample Date	5/20/2022						
	Make Up Oil Added	0 qts						
ELEMENTS IN PARTS PER MILLION	ALUMINUM	3	3					3
	CHROMIUM	0	0					0
	IRON	8	8					9
	COPPER	7	7					4
	LEAD	1	1					0
	TIN	1	1					0
	MOLYBDENUM	74	74					79
	NICKEL	0	0					0
	MANGANESE	0	0					1
	SILVER	0	0					0
	TITANIUM	0	0					4
	POTASSIUM	1	1					2
	BORON	86	86					58
	SILICON	8	8					10
	SODIUM	5	5					10
	CALCIUM	997	997					1188
	MAGNESIUM	578	578					589
PHOSPHORUS	696	696					678	
ZINC	753	753					776	
BARIUM	1	1					0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	54.6	55-62				
	cSt Viscosity @ 100°C	8.64	8.8-11.1				
	Flashpoint in °F	405	>385				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	<0.1				
	Insolubles %	0.2	<0.6				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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