



# OIL REPORT

LAB NUMBER:  
 REPORT DATE: 8/22/2025  
 CODE: 20/1,193

UNIT ID:  
 CLIENT ID:  
 PAYMENT:

<b>UNIT</b>	EQUIP. MAKE/MODEL: Mazda 2.5L SkyActiv-G I-4 Turbo	OIL TYPE & GRADE: Pennzoil Ultra 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,811 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

**COMMENTS** There isn't anything concerning to point out in your CX-5's used oil results. Universal averages for Mazda's 2.5 L SkyActiv-G engine are based on ~5,700-mile intervals, and compared to those, the wear metals in your sample look good after this 4,811-mile run. Iron is the only one higher than average, and it still indicates very good steel wear at 8 ppm. Oil-sharing parts are wearing well, just as you'd expect in an engine with a little under 40,000 miles on it. No contamination is present, and the oil's physical properties are in good shape. Solid baseline.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	4,811	<b>UNIT / LOCATION AVERAGES</b>					<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	39,078						
	Sample Date	8/6/2025						
	Make Up Oil Added	0 qts						
ALUMINUM	4	4					4	
CHROMIUM	0	0					0	
IRON	8	8					7	
COPPER	1	1					3	
LEAD	0	0					0	
TIN	0	0					0	
MOLYBDENUM	78	78					105	
NICKEL	0	0					0	
MANGANESE	0	0					2	
SILVER	0	0					0	
TITANIUM	2	2					3	
POTASSIUM	4	4					2	
BORON	123	123					61	
SILICON	4	4					11	
SODIUM	3	3					6	
CALCIUM	928	928					1102	
MAGNESIUM	676	676					591	
PHOSPHORUS	503	503					659	
ZINC	637	637					760	
BIARIUM	1	1					0	

Values  
Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	56.2	55-63				
	cSt Viscosity @ 100°C	9.12	8.8-11.3				
	Flashpoint in °F	395	>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

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