



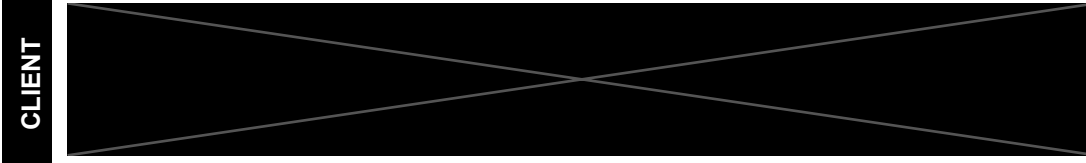
# OIL REPORT

LAB NUMBER: S264865  
 REPORT DATE: 8/7/2025  
 CODE: 20/1,193

UNIT ID: 24 CX5  
 CLIENT ID: 228502  
 PAYMENT: CC: Visa

**UNIT**  
 MAKE/MODEL: Mazda 2.5L SkyActiv-G I-4  
 FUEL TYPE: Gasoline (Unleaded)  
 ADDITIONAL INFO:

OIL TYPE & GRADE: Mazda 0W/20  
 OIL USE INTERVAL: 4,925 Miles



**COMMENTS**  
 MARK: This CX5 was young the first time we saw it, and now it's more mature and sporting more average wear metal levels. It looks like the engine's moving parts are getting along well these days. The oil itself is in good shape physically. The viscosity is on target for 0W/20. There aren't signs of abrasive dirt, excess fuel, or any antifreeze contaminating the oil. Insolubles are below the limit for oxidized solids in the oil. We don't see why this oil can't stay in use longer, at least for the full average interval length of ~6,300 miles. Nice car!

ELEMENTS IN PARTS PER MILLION	UNIT / LOCATION AVERAGES		UNIVERSAL AVERAGES
	7/21/2025	8/18/2024	
MI/HR on Oil	4,925	4,700	
MI/HR on Unit	22,150	6,900	
Sample Date	7/21/2025	8/18/2024	
Make Up Oil Added	0 qts	0 qts	
ALUMINUM	3	4	3
CHROMIUM	0	0	0
IRON	9	9	8
COPPER	1	3	2
LEAD	0	0	0
TIN	0	1	0
MOLYBDENUM	237	136	143
NICKEL	0	0	0
MANGANESE	0	0	1
SILVER	0	0	0
TITANIUM	0	0	4
POTASSIUM	0	1	9
BORON	60	78	74
SILICON	13	12	12
SODIUM	6	4	11
CALCIUM	1272	1016	1278
MAGNESIUM	548	576	526
PHOSPHORUS	701	686	656
ZINC	822	767	750
BARIUM	0	1	0

PROPERTIES	Values Should Be*	
	7/21/2025	8/18/2024
SUS Viscosity @ 210°F	48.4	46-57
cSt Viscosity @ 100°C	6.77	6.0-9.7
Flashpoint in °F	400	>385
Fuel %	<0.5	<2.0
Antifreeze %	0.0	0.0
Water %	0.0	<0.1
Insolubles %	0.3	<0.6
TBN		
TAN		
ISO Code		

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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