



OIL REPORT

LAB NUMBER: S005850
 REPORT DATE: 1/16/2024
 CODE: 20/88

UNIT ID: 22 CX5
 CLIENT ID: 2126
 PAYMENT: Prepaid

UNIT	MAKE/MODEL: Mazda 2.5L SkyActiv-G I-4	OIL TYPE & GRADE: 0W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,865 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE: [REDACTED]
	FAX: [REDACTED]
	ALT PHONE: [REDACTED]
	EMAIL: [REDACTED]

COMMENTS
 [REDACTED]: Your CX5's second report could hardly be better. You ran this sample longer than the first one, and wear metals barely increased. Aluminum and tin went up by 1 ppm each, and that's it. More impressively, iron went down. We often see the opposite after a longer run due to more accumulation. (Iron is the wear metal that builds up the most with use.) This SkyActiv-G is wearing well at 25,097 total miles. This 0W/20 is in great condition, and insolubles (solids) reading low shows effective oil filtration. Excellent report!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	4,865	UNIT / LOCATION AVERAGES	4,508					
	MI/HR on Unit	25,097		10,902					UNIVERSAL AVERAGES
	Sample Date	12/18/2023		1/19/2023					
	Make Up Oil Added	0 qts		0 qts					
ALUMINUM	3	3	2						3
CHROMIUM	0	0	0						0
IRON	2	3	4						9
COPPER	0	1	1						2
LEAD	0	0	0						0
TIN	1	1	0						0
MOLYBDENUM	74	67	59						148
NICKEL	0	0	0						0
MANGANESE	0	0	0						0
SILVER	0	0	0						0
TITANIUM	0	0	0						5
POTASSIUM	0	0	0						7
BORON	103	101	99						77
SILICON	7	7	6						12
SODIUM	4	3	2						13
CALCIUM	1014	914	814						1357
MAGNESIUM	570	624	677						509
PHOSPHORUS	780	718	656						668
ZINC	798	763	727						759
BARIUM	0	0	0						0

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	50.3	46-57	51.5				
	cSt Viscosity @ 100°C	7.37	6.0-9.7	7.73				
	Flashpoint in °F	395	>385	425				
	Fuel %	<0.5	<2.0	<0.5				
	Antifreeze %	0.0	0.0	0.0				
	Water %	0.0	0.0	0.0				
	Insolubles %	0.3	<0.6	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