



OIL REPORT

LAB NUMBER: S243334

UNIT ID: 19 CX5

REPORT DATE: 6/23/2025

CLIENT ID: 126834

CODE: 20/1,487

PAYMENT: Prepaid

UNIT

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

OIL TYPE & GRADE: Quaker State Synthetic 0W/20
OIL USE INTERVAL: 6,188 Miles

CLIENT

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COMMENTS

ALAN: Based on what we're seeing here, it looks like the CX-5 you picked up has a nice engine on board. Universal averages show average results from 2.5-liter SkyActiv-G engines after about 6,300 miles of oil use. That's about how long this oil was in use, so it's good to see metals are reading around or below average. It's a bit unusual to see aluminum higher than iron, but that's just something to note; at 5 ppm, aluminum indicates perfectly good piston/bearing wear. No fuel or coolant contamination is present. The 3.0 TBN is good. Nice first report. Go 8k miles next fill.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	6,188	UNIT / LOCATION AVERAGES							UNIVERSAL AVERAGES
	MI/HR on Unit	103,316								
	Sample Date	3/22/2025								
	Make Up Oil Added	0 qts								
	ALUMINUM	5		5						3
	CHROMIUM	0		0						0
	IRON	4		4						8
	COPPER	1		1						2
	LEAD	0		0						0
	TIN	0		0						0
	MOLYBDENUM	209		209						143
	NICKEL	0		0						0
	MANGANESE	3		3						0
	SILVER	0		0						0
	TITANIUM	0		0						4
	POTASSIUM	1		1						9
	BORON	45		45						75
	SILICON	13		13						12
	SODIUM	3		3						11
	CALCIUM	1079		1079						1283
	MAGNESIUM	429		429						527
	PHOSPHORUS	491		491						657
	ZINC	651		651						751
	BARIUM	0		0						0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	51.8	46-57					
	cSt Viscosity @ 100°C	7.81	6.0-9.7					
	Flashpoint in °F	425	>385					
	Fuel %	<0.5	<2.0					
	Antifreeze %	0.0	0.0					
	Water %	0.0	<0.1					
	Insolubles %	TR	<0.6					
	TBN	3.0	>2.0					
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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