



OIL REPORT

LAB NUMBER: P12881

UNIT ID: GTRESERVE

REPORT DATE: 11/29/2021

CLIENT ID: XXXXX

CODE: 44/68

PAYMENT: Prepaid

UNIT

MAKE/MODEL: Mazda 2.5L I-4 SkyActiv-G Turbo
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO: 2021 Grand Touring Reserve

OIL TYPE & GRADE: Mobil 1 EP 5W/30
OIL USE INTERVAL: 5,000 Miles

CLIENT

PHONE:
FAX:
ALT PHONE:
EMAIL:

COMMENTS

EDWARD: This first sample from your brand new Mazda looks just like it should. The elevated copper and silicon levels are not unusual while new parts are wearing in. Silicon is from harmless sealers used during assembly. Copper is from new bronze parts. Both should improve as time goes on. Soon your engine should look a lot like universal averages, which show typical wear for the 2.5L SkyActiv engine after ~6,000 miles on the oil. Feel free to run that next time if you'd like. No fuel, coolant, or water was found and insolubles show good oil filtration. So far, so good!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5,000	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	7,500							
	Sample Date	11/9/2021							
	Make Up Oil Added	0 qts							
	ALUMINUM	4	4						3
	CHROMIUM	1	1						0
	IRON	16	16						9
	COPPER	23	23						5
	LEAD	0	0						0
	TIN	1	1						0
	MOLYBDENUM	73	73						77
	NICKEL	0	0						0
	MANGANESE	1	1						0
	SILVER	1	1						0
	TITANIUM	0	0						5
	POTASSIUM	1	1						3
	BORON	39	39						58
	SILICON	19	19						9
	SODIUM	4	4						15
	CALCIUM	1096	1096						1254
	MAGNESIUM	684	684						583
	PHOSPHORUS	638	638						684
	ZINC	749	749						780
	BARIUM	2	2						0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	53.0	55-63					
	cSt Viscosity @ 100°C	8.18	8.8-11.3					
	Flashpoint in °F	405	>385					
	Fuel %	<0.5	<2.0					
	Antifreeze %	0.0	0.0					
	Water %	0.0	0.0					
	Insolubles %	0.2	<0.6					
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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