



# OIL REPORT

LAB NUMBER:  
REPORT DATE: 4/23/2020  
CODE: 44/698

UNIT ID:  
CLIENT ID:  
PAYMENT:

UNIT	EQUIP. MAKE/MODEL: Mazda 2.5L Inline 4 SkyActiv	OIL TYPE & GRADE: Super Tech 0W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,784 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS	Universal averages for this type of engine show typical wear after about 6,800 miles on the oil. You kept this oil in place for 4,784 miles and wear metals match up well. There's no reason to think any trouble is in the works based on this data, and if any issues exist, they aren't showing face in these results. The only thing that stands out is a bit of fuel dilution. The flashpoint shows 0.5% of this sample is gasoline, and that's not enough to cause trouble. It's probably from normal use like city driving. The TBN is strong at 4.0. Try up to 7,000 miles next!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	4,784	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	71.037							
	Sample Date	4/12/2020							
	Make Up Oil Added	0 qts							
	ALUMINUM	3	3						4
	CHROMIUM	0	0						0
	IRON	9	9						10
	COPPER	0	0						3
	LEAD	0	0						0
	TIN	0	0						0
	MOLYBDENUM	82	82						160
	NICKEL	0	0						0
	MANGANESE	0	0						0
	SILVER	0	0						0
	TITANIUM	7	7						5
	POTASSIUM	1	1						3
	BORON	142	142						85
	SILICON	7	7						12
	SODIUM	4	4						23
	CALCIUM	1477	1477						1567
	MAGNESIUM	694	694						396
	PHOSPHORUS	880	880						661
	ZINC	907	907						750
	BARIUM	0	0						1

Values  
Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	49.7	46-57					
	cSt Viscosity @ 100°C	7.19	6.0-9.7					
	Flashpoint in °F	375	>385					
	Fuel %	0.5	<2.0					
	Antifreeze %	0.0	0.0					
	Water %	0.0	0.0					
	Insolubles %	0.3	<0.6					
	TBN	4.0	>1.0					
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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