



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						
ALUMINIUM	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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