



OIL REPORT

LAB NUMBER: Q40861 UNIT ID: 95 MIATA
 REPORT DATE: 11/14/2022 CLIENT ID: 211148
 CODE: 170/68 PAYMENT: CC Online

UNIT	MAKE/MODEL: Mazda 1.8L 4-cyl (BP)	OIL TYPE & GRADE: Cenpeco Racing 10W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 500 Miles
	ADDITIONAL INFO: Rebuilt	

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COMMENTS CHRIS: This Miata's engine is fresh off a rebuild, so we'll give the high metal readings some leeway for now, as they are likely a result of new parts settling in and building working clearances. Lead and tin don't always show up in these instances (from bearings), but if we see progress there going forward we won't be worried about them showing an issue. Silicon is from the sealers and lubes used during assembly. A few oil changes will hopefully have readings closer to averages, which are based on oil run about 3,500 miles. The mild fuel dilution isn't cautionary.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	500	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	500						
	Sample Date	11/7/2022						
	Make Up Oil Added	0 qts						
ALUMINUM	4						3	
CHROMIUM	1						1	
IRON	9						9	
COPPER	6						4	
LEAD	9						2	
TIN	4						0	
MOLYBDENUM	119						99	
NICKEL	0						0	
MANGANESE	0						1	
SILVER	0						0	
TITANIUM	0						2	
POTASSIUM	2						2	
BORON	8						81	
SILICON	102						13	
SODIUM	9						32	
CALCIUM	4250						1829	
MAGNESIUM	13						354	
PHOSPHORUS	2121						812	
ZINC	2260						937	
BARIUM	0						0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	59.0	59-65				
	cSt Viscosity @ 100°C	9.93	9.9-11.9				
	Flashpoint in °F	365	>385				
	Fuel %	1.0	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	<0.1				
	Insolubles %	0.2	<0.6				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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