



OIL REPORT

LAB NUMBER: K09437

UNIT ID: 2013 MAZDA-TR

REPORT DATE: 4/5/2018

CLIENT ID:

CODE: 44/32

PAYMENT:

UNIT

MAKE/MODEL: Transmission Mazda Automatic
FUEL TYPE:
ADDITIONAL INFO: CX-5

OIL TYPE & GRADE: Mazda ATF FZ
OIL USE INTERVAL: 51,000 Miles

CLIENT

COMMENTS

RICHARD: We're pleasantly surprised that this was the original oil from your Mazda's transmission. Usually, the factory oil looks pretty rough, due to all the excess metal and silicon from wear-in. That isn't the case here. Metals are very close to what universal averages show as typical for a Mazda automatic, and those averages are based on just ~26,000 miles on the oil. Viscosity is a bit thin, maybe due to a little heat on the oil, but we don't see that as a problem. No insolubles are present, so the oil wasn't overly oxidized. We'd say this fluid worked well. Nice report.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	51,000	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	51,000							
	Sample Date	3/24/2018							
	Make Up Oil Added								
	ALUMINUM	20	20						23
	CHROMIUM	1	1						0
	IRON	98	98						85
	COPPER	69	69						58
	LEAD	0	0						10
	TIN	3	3						3
	MOLYBDENUM	1	1						1
	NICKEL	0	0						2
	MANGANESE	4	4						4
	SILVER	0	0						0
	TITANIUM	0	0						0
	POTASSIUM	4	4						2
	BORON	47	47						82
	SILICON	36	36						24
	SODIUM	11	11						9
	CALCIUM	124	124						207
	MAGNESIUM	2	2						41
	PHOSPHORUS	272	272						380
	ZINC	8	8						90
	BARIUM	9	9						3

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	42.9	43-51					
	cSt Viscosity @ 100°C	5.08	5.1-7.9					
	Flashpoint in °F	350	>335					
	Fuel %	-	<0.0					
	Antifreeze %	0.0						
	Water %	0.0	<0.1					
	Insolubles %	0.0	<0.1					
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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