



OIL REPORT

LAB NUMBER: S123702

UNIT ID: 11 CT200H

REPORT DATE: 10/4/2024

CLIENT ID: 257142

CODE: 63/1,430

PAYMENT: CC: Visa

UNIT

MAKE/MODEL: Toyota 1.8L 4-cyl (2ZR-FXE)
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO: Lexus

OIL TYPE & GRADE: Mobil 1 0W/20
OIL USE INTERVAL: 5,000 Miles

CLIENT

KORY GARDNER
6622 DOVE TRAIL LANE NORTH
CANAL WINCHESTER, OH 43110

PHONE: (330) 309-6991
FAX:
ALT PHONE:
EMAIL: KORYG27@GMAIL.COM

COMMENTS

KORY: Amended report with correct unit info. There's coolant in this sample, which is visible in the high levels of potassium and sodium. That might be why the viscosity is thick for 0W/20, since coolant tends to thicken the oil. The good news is, this isn't a lot of coolant, and engine wear still looks okay. Compare wear metals (mainly aluminum - copper) to universal averages, which show typical wear for the engine type after an ~8,000-mile oil run. Internal parts are doing well. The TBN is strong, but stick with 5K miles (or less) until you can find and address the coolant leak.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5,000	UNIT / LOCATION AVERAGES							UNIVERSAL AVERAGES
	MI/HR on Unit	289,000								
	Sample Date	9/16/2024								
	Make Up Oil Added	0 qts								
	ALUMINUM	3	3							4
	CHROMIUM	0	0							0
	IRON	7	8							8
	COPPER	1	0							1
	LEAD	0	0							0
	TIN	0	0							0
	MOLYBDENUM	68	89							113
	NICKEL	0	0							0
	MANGANESE	1	0							0
	SILVER	0	0							0
	TITANIUM	13	0							2
	POTASSIUM	273	2							2
	BORON	10	42							55
	SILICON	16	8							12
	SODIUM	105	4							12
	CALCIUM	818	1060							1347
	MAGNESIUM	581	609							494
	PHOSPHORUS	515	780							652
	ZINC	661	848							750
	BARIUM	0	0							0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	59.5	46-57					
	cSt Viscosity @ 100°C	10.07	6.0-9.7					
	Flashpoint in °F	395	>385					
	Fuel %	<0.5	<2.0					
	Antifreeze %	0.21	0.0					
	Water %	0.0	0.0					
	Insolubles %	0.1	<0.6					
	TBN	4.3	>2.0					
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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