



# OIL REPORT

LAB NUMBER: P73707  
 REPORT DATE: 5/17/2022  
 CODE: 146/68

UNIT ID: 03 VIBE  
 CLIENT ID: 201817  
 PAYMENT: CC: Visa

<b>UNIT</b>	MAKE/MODEL: Toyota 1.8L 4-cyl (1ZZ-FE)	OIL TYPE & GRADE: Mobil 1 High Mileage 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 5,065 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	
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**COMMENTS** This first look at your Vibe shows a little more upper end wear than we typically find, but we don't think these levels are problematic. Universal averages show typical 1ZZ-FE wear after about 6,000 miles on the oil. This oil wasn't in use as long and metals are a bit higher. Make-up oil isn't excessive, but four quarts of fresh oil may be diluting metals a little. It doesn't usually take a lot of chrome to show a ring issue, so it's one to watch. Fuel is okay at 1.3% - from normal use. Try ~5,000 miles again, monitor oil consumption, and check back. We'll learn more with trends.

	MI/HR on Oil	5,065	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	144,329						
	Sample Date	5/7/2022						
	Make Up Oil Added	4 qts						
<b>ELEMENTS IN PARTS PER MILLION</b>	ALUMINUM	4	4					3
	CHROMIUM	3	3					0
	IRON	15	15					9
	COPPER	0	0					2
	LEAD	0	0					1
	TIN	0	0					1
	MOLYBDENUM	80	80					76
	NICKEL	0	0					0
	MANGANESE	1	1					1
	SILVER	0	0					0
	TITANIUM	0	0					2
	POTASSIUM	0	0					2
	BORON	35	35					43
	SILICON	21	21					17
	SODIUM	8	8					47
	CALCIUM	1070	1070					1791
	MAGNESIUM	796	796					313
PHOSPHORUS	718	718					701	
ZINC	819	819					809	
BARIUM	0	0					0	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	56.0	56-63				
	cSt Viscosity @ 100°C	9.07	9.1-11.3				
	Flashpoint in °F	360	>385				
	Fuel %	1.3	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	<0.1				
	Insolubles %	0.3	<0.6				
	TBN						
	TAN						
	ISO Code						

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com