

## OIL REPORT

LAB NUMBER: UNIT ID:

REPORT DATE: 4/3/2018 CLIENT ID:

CODE: PAYMENT:

MAKE/MODEL:	Transmission Toyota, Automatic	OIL TYPE & GRADE:	Toyota WS ATF	
FUEL TYPE:		OIL USE INTERVAL:	194,678 Miles	
ADDITIONAL INF	O:			

PHONE: FAX: ALT PHONE:

EMAIL:

OMMENTS

MICHAEL: There's quite a bit of metal here, but that doesn't come as much of a surprise after seeing how long this fluid was used. Initial wear-in, along with all the metal that accumulated over the last ~195K miles accounts for most of what we're seeing here, but there's simply too much metal to rule out any issues. Lead stands out the most and could show excess bearing wear. Universal averages show typical wear after ~37,400 miles of oil use. The 0.1% insolubles show lots of oxidized solids so an oil change was a good idea. Try 20K miles next if all is well and check back.

	MI/HR on Oil	194,678				
	MI/HR on Unit	194,678	AVERAGES			UNIVERSAL
	Sample Date	3/18/2018				AVERAGES
	Make Up Oil Added	0 qts				
N	ALUMINUM	64				19
Ĭ	CHROMIUM	2				0
MILLION	IRON	283				53
	COPPER	835				66
出	LEAD	1202				16
۵	TIN	46				3
2	MOLYBDENUM	0				1
AR.	NICKEL	1				1
Ф	MANGANESE	4				1
Z	SILVER	0				0
S	TITANIUM	0				0
	POTASSIUM	4				2
EMENT	BORON	43				80
≥	SILICON	31				17
H	SODIUM	15				6
	CALCIUM	125				143
	MAGNESIUM	2				9
	PHOSPHORUS	274				324
	ZINC	20				36
	BARIUM	5				2

Values Should Be\*

SUS Viscosity @ 210°F	43.0	41-51			
cSt Viscosity @ 100°C	5.10	4.5-7.9			
Flashpoint in °F	390	>320			
Fuel %	-				
Antifreeze %	0.0				
Water %	0.0	0.0			
Insolubles %	0.1	<0.1			
TBN					
TAN					
ISO Code					

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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