



# OIL REPORT

LAB NUMBER:  
 REPORT DATE: 6/9/2016  
 CODE: 20/32

UNIT ID:  
 CLIENT ID:  
 PAYMENT:

UNIT	EQUIP. MAKE/MODEL: Toyota 1.8L 4-cyl (2ZR-FXE)	OIL TYPE & GRADE: Synthetic 0W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 10,000 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

**COMMENTS** This is another unremarkable sample from your Prius. Boring reports are a good thing, though, because it means there are no signs of trouble for the engine. Fuel made a return appearance at a harmless 1.0%. That's not enough to show a problem, and it will have left with the oil change anyway. Wear metals are still in excellent shape, and 10,000-mile oil change intervals are working well. You can stick with that if you'd like, or up to 12,000 next time would be okay too. You can't go wrong either way. Good-looking engine at 50,000 miles!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	10,000	UNIT / LOCATION AVERAGES	10,756	10,000	10,000	5,000	5,400	UNIVERSAL AVERAGES
	MI/HR on Unit	50,000		40,885	30,128	20,000	10,051	5,400	
	Sample Date	6/4/2016		9/17/2015	5/9/2015	8/30/2014	10/7/2013	5/11/2013	
	Make Up Oil Added	0 qts		0 qts	0 qts	0 qts	0 qts	0 qts	
ALUMINUM	5	6	3	4	7	6	8	5	
CHROMIUM	0	0	0	0	0	0	0	0	
IRON	7	9	5	5	9	7	17	10	
COPPER	1	14	1	1	3	12	62	1	
LEAD	0	0	0	0	0	0	0	0	
TIN	3	1	0	0	0	0	0	1	
MOLYBDENUM	36	169	40	46	44	71	100	111	
NICKEL	0	0	0	0	0	0	0	0	
MANGANESE	0	0	0	0	0	0	2	0	
SILVER	0	0	0	0	0	0	0	0	
TITANIUM	0	0	0	0	0	0	0	2	
POTASSIUM	2	2	0	6	0	1	0	2	
BORON	2	29	7	14	20	91	2	37	
SILICON	9	59	8	6	17	47	206	12	
SODIUM	6	12	9	5	5	4	5	22	
CALCIUM	2103	2234	2301	2712	1974	2315	1981	1940	
MAGNESIUM	9	16	11	15	14	38	13	241	
PHOSPHORUS	513	645	564	762	487	823	687	658	
ZINC	616	735	683	876	596	916	769	772	
BARIUM	0	1	0	0	0	0	2	0	

Values Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	48.6	46-59	53.0	49.0	48.3	49.3	48.1
	cSt Viscosity @ 100°C	6.85	6.0-10.2	8.19	6.97	6.76	7.07	6.69
	Flashpoint in °F	365	>385	400	375	390	385	395
	Fuel %	1.0	<2.0	<0.5	0.5	<0.5	TR	<0.5
	Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water %	0.0	<0.1	0.0	0.0	0.0	0.0	0.0
	Insolubles %	TR	<0.6	0.3	0.1	0.3	0.4	0.4
	TBN							
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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