



OIL REPORT

LAB NUMBER:
 REPORT DATE: 5/26/2015
 CODE: 20/75

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 Last time we thought your engine was done washing out the leftover wear-in from when it was new, but there's actually less aluminum, iron, and copper than the previous fill. A shorter oil run or make-up oil doesn't account for these improvements, so your Prius actually putting less metal into the oil than it has before. There was a small amount of fuel the sample, but that's not a problem or anything. Idling or city driving can leave some fuel behind, or it could be from taking the sample shortly after starting the engine. Looks great at 30,128 miles!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	10,000	UNIT / LOCATION AVERAGES	10,000	5,000	5,400	UNIVERSAL AVERAGES
	MI/HR on Unit	30,128		20,000	10,051	5,400	
	Sample Date	5/9/2015		8/30/2014	10/7/2013	5/11/2013	
	Make Up Oil Added	0 qts		0 qts	0 qts	0 qts	
ALUMINUM	4	6	7	6	8	6	
CHROMIUM	0	0	0	0	0	0	
IRON	5	10	9	7	17	11	
COPPER	1	18	3	12	62	2	
LEAD	0	0	0	0	0	0	
TIN	0	1	0	0	0	1	
MOLYBDENUM	46	206	44	71	100	127	
NICKEL	0	0	0	0	0	0	
MANGANESE	0	0	0	0	2	0	
SILVER	0	0	0	0	0	0	
TITANIUM	0	0	0	0	0	1	
POTASSIUM	6	2	0	1	0	2	
BORON	14	37	20	91	2	38	
SILICON	6	74	17	47	206	13	
SODIUM	5	13	5	4	5	24	
CALCIUM	2712	2243	1974	2315	1981	1993	
MAGNESIUM	15	17	14	38	13	215	
PHOSPHORUS	762	676	487	823	687	665	
ZINC	876	760	596	916	769	774	
BARIUM	0	1	0	0	2	0	

Values Should Be*

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

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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