



# OIL REPORT

LAB NUMBER: H54998  
 REPORT DATE: 6/3/2016  
 CODE: 20/685

UNIT ID: 09 LS460  
 CLIENT ID:  
 PAYMENT: CC: MC

<b>UNIT</b>	MAKE/MODEL: Toyota 4.6L V-8 (1UR-FSE)	OIL TYPE & GRADE: Toyota 0W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 6,316 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

**COMMENTS** The third sample out of this engine is the best one yet. A similar oil change interval yielded lower wear than last time, and the high metals and silicon from last year are quickly becoming a thing of the past. Maybe the car had some repairs made just before you bought it, or it could have been in need of a new air filter. No harm done in the long run as far as we can tell! The TBN was strong, so run 8,000 miles next.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	6,316	<b>UNIT / LOCATION AVERAGES</b>	6,137	5,000	<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	91,034		84,725	78,581	
	Sample Date	5/26/2016		11/4/2015	3/26/2015	
	Make Up Oil Added	2 qts		1.5 qts	9.5 qts	
ALUMINUM	3	7	4	14	2	
CHROMIUM	0	0	0	0	0	
IRON	12	18	16	26	9	
COPPER	1	2	1	3	4	
LEAD	0	0	0	0	0	
TIN	0	0	0	1	1	
MOLYBDENUM	110	82	87	50	96	
NICKEL	0	0	0	1	0	
MANGANESE	0	0	0	0	0	
SILVER	0	0	0	0	0	
TITANIUM	0	1	0	3	4	
POTASSIUM	2	1	0	2	2	
BORON	7	29	52	28	25	
SILICON	6	12	11	19	10	
SODIUM	5	30	12	74	62	
CALCIUM	2094	1849	1385	2069	1932	
MAGNESIUM	90	341	861	72	261	
PHOSPHORUS	716	712	775	646	686	
ZINC	830	854	910	821	801	
BARIUM	0	1	0	2	0	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	50.1	46-57	54.1	50.6
	cSt Viscosity @ 100°C	7.30	6.0-9.7	8.51	7.44
	Flashpoint in °F	395	>385	400	390
	Fuel %	<0.5	<2.0	<0.5	<0.5
	Antifreeze %	0.0	0.0	0.0	?
	Water %	0.0	<0.1	0.0	0.0
	Insolubles %	0.2	<0.6	0.4	0.3
	TBN	4.0	>1.0	4.2	1.9
	TAN				
	ISO Code				

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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