

OIL REPORT

LAB NUMBER: UNIT ID: REPORT DATE: 12/20/2016 CLIENT ID: CODE: 44/37 PAYMENT:

EQUIP. MAKE/MODEL: Toyota 4.6L V-8 (1UR-FSE)

FUEL TYPE: Gasoline (Unleaded)

ADDITIONAL INFO:

OIL TYPE & GRADE: 0W/20

OIL USE INTERVAL:

10,439 Miles

PHONE: FAX:

ALT PHONE: EMAIL:

OMMENTS

The small increase in iron shows the extra miles on this oil, but iron's wear rate is still below average so steel parts are doing just fine. Other metals really haven't changed, and the viscosity is within spec for a 0W/20 oil. If you wanted to rur 10,000-mile intervals on this engine from here on out, that should be just fine. No problems to mention for your LS460 as of the 11/4/16 sample date!

	MI/HR on Oil	10,439		9,800	6,373		
	MI/HR on Unit	79,991	UNIT / LOCATION	69,500	66,243		UNIVERSAL
	Sample Date	11/4/2016	AVERAGES	9/11/2015	4/27/2015		AVERAGES
_	Make Up Oil Added	0 qts			0 qts		
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LION	ALUMINUM	3	3	3	2		2
MIL	CHROMIUM	0	0	1	0		0
2	IRON	15	11	12	7		9
ĸ	COPPER	1	1	1	1		4
H H	LEAD	0	0	0	0		0
S	TIN	0	0	0	0		1
	MOLYBDENUM	78	87	92	91		92
AR	NICKEL	0	0	1	0		0
Δ	MANGANESE	0	0	0	0		0
Z	SILVER	0	0	0	0		0
	TITANIUM	0	0	0	0		4
TS.	POTASSIUM	1	1	1	0		1
Z	BORON	11	16	17	20		29
EME	SILICON	15	14	16	11		10
	SODIUM	4	4	4	3		61
H	CALCIUM	2153	2398	2469	2572		1913
	MAGNESIUM	19	17	18	15		249
	PHOSPHORUS	586	668	672	746		680
	ZINC	704	775	816	806		795
	BARIUM	0	0	0	0		0

Values Should Be*

		00				
SUS Viscosity @ 210°F	54.2	46-56	55.3	52.6		
cSt Viscosity @ 100°C	8.54	6.0-9.4	8.87	8.07		
Flashpoint in °F	430	>385	405	415		
Fuel %	<0.5	<2.0	<0.5	<0.5		
Antifreeze %	0.0	0.0	0.0	0.0		
Water %	0.0	<0.1	0.0	0.0		
Insolubles %	0.3	<0.6	0.3	0.3		
TBN			2.6	4.6		
TAN						
ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE