



OIL REPORT

LAB NUMBER: H23213 UNIT ID: 08 LS460
 REPORT DATE: 12/28/2015 CLIENT ID: 14828
 CODE: 22/75 PAYMENT: CC: MC

UNIT	MAKE/MODEL: Toyota 4.6L V-8 (1UR-FSE)	OIL TYPE & GRADE: Toyota Synthetic 0W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 10,000 Miles
	ADDITIONAL INFO:	

CLIENT	CHRIS GRANGEAUD	PHONE: (604) 847-0483
	5965 GLENDALE DR	FAX:
	CHILLIWACK, BC V2R 3A5	ALT PHONE: (604) 799-5101
	CANADA	EMAIL: chris62@shaw.ca

COMMENTS CHRIS: It appears from this data that the additional 4,000 miles on this oil change did not stress this engine one bit. We expect the iron level to go up with mileage; it did here, but it's barely above the average now, so we're not concerned, especially since other wear look great. The addition of 2 quarts of oil during this interval appears to be normal for this engine, so that doesn't worry us either. Our tests found no contamination from coolant or fuel, and the oil's viscosity tested correctly for 0W/20. Try 12,000 miles next time. Nice report at 159,812 total kilometers.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	10,000	UNIT / LOCATION AVERAGES	6,000	6,000	UNIVERSAL AVERAGES
	MI/HR on Unit			88,597	80,000	
	Sample Date	12/1/2015		5/1/2015	8/12/2014	
	Make Up Oil Added	2 qts		2 qts	3 qts	
ALUMINUM	2	2	2	3	2	
CHROMIUM	0	0	0	0	0	
IRON	10	8	5	9	9	
COPPER	1	1	1	1	4	
LEAD	0	0	0	0	0	
TIN	0	0	0	0	1	
MOLYBDENUM	34	77	37	159	100	
NICKEL	0	0	0	0	0	
MANGANESE	0	0	0	0	0	
SILVER	0	0	0	0	0	
TITANIUM	3	3	2	4	2	
POTASSIUM	7	6	4	6	1	
BORON	3	8	2	18	25	
SILICON	10	8	6	7	11	
SODIUM	40	51	29	85	70	
CALCIUM	2260	2198	2163	2171	1984	
MAGNESIUM	15	31	68	9	216	
PHOSPHORUS	631	667	631	738	683	
ZINC	749	804	800	864	794	
BARIUM	0	0	0	0	0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	51.0	46-57	50.3	51.6
	cSt Viscosity @ 100°C	7.58	6.0-9.7	7.36	7.77
	Flashpoint in °F	390	>385	415	430
	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	0.2	0.2
	TBN				
	TAN				
	ISO Code				

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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