



OIL REPORT

LAB NUMBER: E46437

UNIT ID: 04 TOYOTA

REPORT DATE: 3/2/2011

CLIENT ID: 43657

CODE: 44/75

PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Toyota 4.0L V6 (1GR-FE)	OIL TYPE & GRADE: Castrol Syntec 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,925 Miles
	ADDITIONAL INFO:	

CLIENT	SHANE MOORE	PHONE: (615) 330-8435
	1006 ALAMEDA DRIVE	FAX:
	PORTLAND, TN 37148	ALT PHONE:
		EMAIL: ssmoore@brocade.com, shane.moore@excaliburis.com

COMMENTS	SHANE: We have two pieces of good news for you. The first is that sodium improved, so it looks like the sodium last time was an additive in the oil you were using instead of coolant. The other good news we have is that your engine is still wearing like a champ. You're running your oil just as long as our averages, yet getting better results in your oil analyses. We're not finding any problems with oil or air filtration (see insolubles and silicon). No fuel or water was found. This is a fine report, and a good indication your Toyota is well on it's way to 300,000 miles.	

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	4,925	UNIT / LOCATION AVERAGES	5,200					UNIVERSAL AVERAGES
	MI/HR on Unit	233,700		221,000					
	Sample Date	02/21/11		10/13/10					
	Make Up Oil Added	0 qts							
	ALUMINUM	2		2					
	CHROMIUM	0		0					
	IRON	6		5					
	COPPER	0		0					
	LEAD	1		1					
	TIN	0		0					
	MOLYBDENUM	49		59					
	NICKEL	0		0					
	MANGANESE	0		0					
	SILVER	0		0					
	TITANIUM	0		0					
	POTASSIUM	0		1					
	BORON	5		9					
	SILICON	11		10					
	SODIUM	24		75					
	CALCIUM	2429		2376					
	MAGNESIUM	11		10					
	PHOSPHORUS	693		630					
	ZINC	761		738					
	BARIUM	0		0					

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	56.8	56-60	57.7				
	cSt Viscosity @ 100°C	9.31	9.1-10.5	9.56				
	Flashpoint in °F	370	>365	380				
	Fuel %	<0.5	<2.0	<0.5				
	Antifreeze %	0.0	0.0	0.25				
	Water %	0.0	<0.1	0.0				
	Insolubles %	0.2	<0.6	0.3				
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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