



OIL REPORT

LAB NUMBER: F27494

UNIT ID: 05 4 RUNNER

REPORT DATE: 11/2/2012

CLIENT ID: [REDACTED]

CODE: [REDACTED]

PAYMENT: [REDACTED]

UNIT	MAKE/MODEL:	Toyota 4.7L V-8 (2UZ-FE)	OIL TYPE & GRADE:	Castrol Syntec 0W/30 (German)
	FUEL TYPE:	Gasoline (Unleaded)	OIL USE INTERVAL:	8,000 Miles
	ADDITIONAL INFO:	50% Towing/50% Daily Driving		

CLIENT	[REDACTED]	[REDACTED]
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COMMENTS	JOHN: Your engine appears to be enjoying the type of use it sees. Wear read normally after the longer than average 8,000-mile interval, and with wear like this, we see no reason not to try going even longer on the next oil change. The universal average column on the far right shows typical wear for Toyota's 4.7L V-8 after about 6,400 miles on the oil. No contamination of any sort was present in the 0W/30 GC oil. The TBN was a strong 4.1, so try up to 10,000 miles on the next sample if longer oil changes are in your plans. Nice engine at 128,623 miles.
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ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	8,000	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	128,623							
	Sample Date	10/20/12							
	Make Up Oil Added	0.35 qt							
	ALUMINUM	2	2						2
	CHROMIUM	0	0						0
	IRON	8	8						7
	COPPER	1	1						4
	LEAD	0	0						2
	TIN	0	0						0
	MOLYBDENUM	5	5						70
	NICKEL	0	0						0
	MANGANESE	0	0						0
	SILVER	0	0						0
	TITANIUM	0	0						0
	POTASSIUM	2	2						2
	BORON	2	2						51
	SILICON	11	11						14
	SODIUM	29	29						31
CALCIUM	2149	2149						2280	
MAGNESIUM	536	536						114	
PHOSPHORUS	853	853						671	
ZINC	1089	1089						797	
BARIUM	0	0						0	

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	64.0	59-68				
	cSt Viscosity @ 100°C	11.33	9.9-12.7				
	Flashpoint in °F	400	>365				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	0.0				
	Insolubles %	0.3	<0.6				
	TBN	4.1	>1.0				
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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