



OIL REPORT

LAB NUMBER: J63731

UNIT ID: 09 4RUNNER

REPORT DATE: 9/26/2017

CLIENT ID: 115015

CODE: 44/685

PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Toyota 4.0L V-6 (1GR-FE)	OIL TYPE & GRADE: Amsoil 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,800 KM
	ADDITIONAL INFO:	

CLIENT	WILLIAM TEICHROEB	PHONE: (604) 832-2781
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	CANADA	

COMMENTS	WILLIAM: This first report for this 4Runner has a lot to like. Over on the far right, you'll see typical wear results for Toyota's 1GR-FE after ~9,300 km on the oil. You sampled a shorter run, so a low iron level is always ideal. Aluminum is the other wear metal present, and 3 ppm shows healthy wear at the pistons/bearings. This sample of Amsoil has the appropriate viscosity for 5W/30 oil, and the TBN is strong at 5.6 (1.0 or less is low). This V-6 is a great candidate for extended oil use. Let's try 8,000 km next time. If everything looks good, you may be able to go even longer.
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ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	4,800	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	70,225							
	Sample Date	8/14/2017							
	Make Up Oil Added	0 qts							
	ALUMINUM	3	3						3
	CHROMIUM	0	0						0
	IRON	6	6						10
	COPPER	0	0						4
	LEAD	0	0						1
	TIN	0	0						1
	MOLYBDENUM	145	145						73
	NICKEL	0	0						0
	MANGANESE	0	0						1
	SILVER	0	0						0
	TITANIUM	0	0						2
	POTASSIUM	2	2						3
	BORON	140	140						36
	SILICON	14	14						15
	SODIUM	16	16						54
	CALCIUM	3523	3523						1899
	MAGNESIUM	15	15						253
	PHOSPHORUS	753	753						668
	ZINC	851	851						775
	BARIUM	0	0						0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	57.2	56-63					
	cSt Viscosity @ 100°C	9.41	9.1-11.3					
	Flashpoint in °F	405	>365					
	Fuel %	<0.5	<2.0					
	Antifreeze %	0.0	0.0					
	Water %	0.0	<0.1					
	Insolubles %	0.1	<0.6					
	TBN	5.6	>1.0					
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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