



OIL REPORT

LAB NUMBER: K01352

UNIT ID: 09 4RUNNER

REPORT DATE: 3/5/2018

CLIENT ID: 115015

CODE: 44/32

PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Toyota 4.0L V-6 (1GR-FE)	OIL TYPE & GRADE: Amsoil 0W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 3,500 KM
	ADDITIONAL INFO:	

CLIENT	WILLIAM TEICHROEB	PHONE: (604) 832-2781
	PO BOX 657	FAX:
	662 8TH AVE	ALT PHONE:
	FERNIE, BC V0B 1M0	EMAIL: wteichroeb@hotmail.com
	CANADA	

COMMENTS	WILLIAM: You'll be happy to know your 4Runner is handling the cold weather and lots of idling time well. Iron is the one metal that's highly susceptible to changes in use and the wear rate (ppm produced per kilometer) did increase just a shade, but it's still well within the average range for this type of engine. It's not a problem by any means. The small increase in aluminum isn't a concern either. After all, there's bound to be some fluctuation in metals just because each run is slightly different. Feel free to go back to 5,000 km or even try longer yet. Good report!
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ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	3,500	UNIT / LOCATION AVERAGES	4,800					UNIVERSAL AVERAGES
	MI/HR on Unit	75,500		70,225					
	Sample Date	2/15/2018		8/14/2017					
	Make Up Oil Added	0 qts		0 qts					
	ALUMINUM	5	4	3					3
	CHROMIUM	0	0	0					0
	IRON	5	6	6					11
	COPPER	1	1	0					4
	LEAD	0	0	0					1
	TIN	0	0	0					0
	MOLYBDENUM	136	141	145					75
	NICKEL	0	0	0					0
	MANGANESE	0	0	0					1
	SILVER	0	0	0					0
	TITANIUM	0	0	0					2
	POTASSIUM	0	1	2					3
	BORON	183	162	140					35
	SILICON	11	13	14					15
	SODIUM	16	16	16					53
	CALCIUM	3279	3401	3523					1881
	MAGNESIUM	13	14	15					260
	PHOSPHORUS	700	727	753					670
	ZINC	709	780	851					776
	BARIUM	0	0	0					0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	57.0	57-67	57.2				
	cSt Viscosity @ 100°C	9.37	9.4-12.4	9.41				
	Flashpoint in °F	400	>385	405				
	Fuel %	<0.5	<2.0	<0.5				
	Antifreeze %	0.0	0.0	0.0				
	Water %	0.0	<0.1	0.0				
	Insolubles %	0.2	<0.6	0.1				
	TBN			5.6				
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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