



OIL REPORT

LAB NUMBER: H24809

UNIT ID: 08 4RUNNER

REPORT DATE: 1/6/2016

CLIENT ID: 72815

CODE: 44/685

PAYMENT: Verbal, Aleem

UNIT

MAKE/MODEL: Toyota 4.0L V-6 (1GR-FE)

FUEL TYPE: Gasoline (Unleaded)

ADDITIONAL INFO:

OIL TYPE & GRADE: Red Line 20W/50

OIL USE INTERVAL: 13,000 KM

CLIENT

PHONE: [REDACTED]

FAX:

ALT PHONE:

EMAIL: [REDACTED]

COMMENTS

[REDACTED] Universal averages in the far right column show typical wear metals after ~9,100 km of oil use; your metals are slightly lower than average levels here, even though you've run longer than average on the oil, so your engine is wearing better than most. We did find a trace of fuel in this latest report, but that's not harmful. The viscosity reading was a little bit high, even for a thick 20W/50 oil, but we doubt that's a problem at this point, since there are no other signs of trouble. The TBN is okay at 2.9 (1.0 or less is low), so try 16,000 km next oil and check back. Nice!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	13,000	UNIT / LOCATION AVERAGES							UNIVERSAL AVERAGES
	MI/HR on Unit	110,000								
	Sample Date	12/20/2015								
	Make Up Oil Added	0 qts								
	ALUMINUM	2		2						
	CHROMIUM	1		1						
	IRON	9		9						
	COPPER	1		1						
	LEAD	0		0						
	TIN	2		2						
	MOLYBDENUM	654		654						
	NICKEL	1		1						
	MANGANESE	0		0						
	SILVER	0		0						
	TITANIUM	0		0						
	POTASSIUM	4		4						
	BORON	27		27						
	SILICON	12		12						
	SODIUM	14		14						
	CALCIUM	2766		2766						
	MAGNESIUM	9		9						
	PHOSPHORUS	1003		1003						
	ZINC	1145		1145						
	BARIUM	0		0						

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	107.9	86-102					
	cSt Viscosity @ 100°C	22.20	17.0-21.1					
	Flashpoint in °F	385	>385					
	Fuel %	TR	<2.0					
	Antifreeze %	0.0	0.0					
	Water %	0.0	<0.1					
	Insolubles %	0.4	<0.6					
	TBN	2.9	>1.0					
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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