



OIL REPORT

LAB NUMBER:
REPORT DATE: 5/22/2017
CODE: 63/32

UNIT ID:
CLIENT ID:
PAYMENT:

UNIT

EQUIP. MAKE/MODEL: Toyota 3.4L V-6 (5VZ-FE)
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO:

OIL TYPE & GRADE: Royal Purple 5W/30
OIL USE INTERVAL: 9,693 KM

CLIENT

PHONE:
FAX:
ALT PHONE:
EMAIL:

COMMENTS

This is a clean first look at your Hilux. Wear metals are nice and low down the line after a similar run to the average interval, which is about 9,300 km. Low silicon suggests good air filtration, and the oil filter had no trouble keeping up with insolubles, which are very low at 0.1%. The viscosity is in the expected range for a used 5W/30, and no fuel dilution or coolant was found. This engine could easily run the oil longer if you wanted to. We'd suggest 12,000 km for the next run but this interval is okay too if you don't want to run longer.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	9,693	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	115,164							
	Sample Date	4/7/2017							
	Make Up Oil Added	0 qts							
ALUMINUM	2	2							2
CHROMIUM	0	0							0
IRON	5	5							6
COPPER	2	2							4
LEAD	2	2							2
TIN	0	0							1
MOLYBDENUM	1	1							80
NICKEL	0	0							0
MANGANESE	0	0							0
SILVER	0	0							0
TITANIUM	0	0							2
POTASSIUM	0	0							2
BORON	2	2							42
SILICON	10	10							13
SODIUM	368	368							59
CALCIUM	2146	2146							1997
MAGNESIUM	7	7							196
PHOSPHORUS	589	589							704
ZINC	670	670							839
BARIIUM	0	0							0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	56.4	55-63					
	cSt Viscosity @ 100°C	9.19	8.8-11.3					
Flashpoint in °F	435	>365						
Fuel %	<0.5	<2.0						
Antifreeze %	0.0	0.0						
Water %	0.0	<0.1						
Insolubles %	0.1	<0.6						
TBN								
TAN								
ISO Code								

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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