

OIL REPORT

LAB NUMBER: L03278 **REPORT DATE:** 3/25/2019

CODE: 20/685

UNIT ID: A0241409
CLIENT ID: 140013
PAYMENT: CC: MC

LIN

MAKE/MODEL: Toyota 1.8L 4-cyl (2ZR-FXE)

FUEL TYPE: Gasoline (Unleaded)

ADDITIONAL INFO: 2010 Prius, 2016 Eng

OIL TYPE & GRADE: Mobil 1 0W/20
OIL USE INTERVAL: 5,200 Miles



PHONE: (8-2) 401-8908
FAX:
ALT PHONE:
EMAIL: damonigo: a., @ wowway.co

OMMENTS

DONALD: This engine hasn't been in service for all that long, and we'd like to see some trends before making much of anything in this report. The extra aluminum and iron could be leftover break-in material, with silicon from sealers used during the install. Checking the intake system for leaks still wouldn't hurt, just to be sure silicon isn't dirt. Other metals are okay compared to universal averages, which are based on oil run about 9,400 miles. Insolubles are high as well, so the oil filter struggled to keep up during this run. TBN is 2.4 (1 is too low). Check back in 5k miles.

MI/HR on Oil	5,200				
MI/HR on Unit	20,000	UNIT / LOCATION			UNIVERSAL
Sample Date	3/14/2019	AVERAGES			AVERAGES
Make Up Oil Added	0 qts				
ALUMINUM	12	12			5
CHROMIUM	1	1			0
ALUMINUM CHROMIUM IRON CORDER	26	26			10
COPPER	3	3			1
LEAD TIN	0	0			0
1114	1	1			0
MOLYBDENUM NICKEL MANGANESE	154	154			93
NICKEL	0	0			0
	0	0			0
SILVER	0	0			0
I I I I ANIUM	0	0			2
POTASSIUM	15	15			1
BORON	59	59			38
POTASSIUM BORON SILICON SODIUM	27	27			11
SODIUM	11	11			24
CALCIUM	1322	1322			1792
MAGNESIUM	486	486			302
PHOSPHORUS	734	734			650
ZINC	838	838			752
BARIUM	0	0			0

Values Should Be*

SUS Viscosity @ 210°F	47.5	46-56			
cSt Viscosity @ 100°C	6.50	6.0-9.4			
Flashpoint in °F	355	>375			
Fuel %	1.0	<2.0			
Antifreeze %	0.0	0.0			
Water %	0.0	0.0			
Insolubles %	0.6	<0.6			
TBN	2.4	>1.0			
TAN					
ISO Code					

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com