

BILL  
BILL

31

FAX:

PHONE:

SAMPLE TYPE: OIL

SAMPLE SHIP TIME (days):

COMPANY NAME: BILL  
CUSTOMER EQUIP NUM: \_2010  
COMPARTMENT NAME: TRANSMISSION  
SERIAL NUMBER: 2010  
MANUFACTURER: TOYOTA  
MODEL: PRIUS  
JOB SITE:  
EXT WARR NUMBER:

SHOP JOB NUM:  
COMP SERIAL NUM:  
COMPARTMENT MODEL:  
COMP MANUFACTURER:  
SAMPLE LABEL NUM:  
FLUID BRAND/WEIGHT: ATF  
FLUID TYPE:  
EXT WARR EXPIRE DATE:  
FUEL CONSUMED:

**FOLEY**  
EQUIPMENT

**CAT**

SOS Services Laboratory  
1550 S. West St.  
Wichita, KS 67213-1668  
316-943-4211  
www.foleytractor.com

LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID UNITS	FILTER CHANGED
E130-42347-3001	12/9/12	12/12/12	112420 MI	420 MI	Yes			Unknown

2010 purchased in Nov. of 2012 with 108,000mi. Took vacation with it and waited to do this ATF fluid change at 112,000mi. Sent in sample at same time with a Buddy's 2006 with 250,000mi on car and 60,000mi on fluid.

All fluids are Toyota ATF-WS.

My first analysis scared me.

NOTE: I was told that the fluid was too dark to do the 'Particle Count' because that is a light based test.

I change fluid again with only 420mi on it.

This time I used Mobil 1 ATF and added a super magnet on the drain plug. See forum post for more details.

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	B	Mo	Ni	Ag	Ca	Mg	Zn	P
2010 2010 2006 42347-3001	5	54	0	85	1	1	26	0	0	70	5	1	0	149	3	14	290
42338-3009	43	391	3	382	2	1	154	3	0	37	9	13	0	144	3	29	262
42326-3001	40	58	0	61	1	1	27	0	0	59	4	1	0	128	3	18	296

420 Mi on fluid.  
112,000 Mi on original fluid.  
60,00 Mi. 250,000 on car.

Oil Condition / Particle Count (ct/ml)	ST	OXI	NIT	SUL	W	A	V100	ISO	4µ	6µ	10µ	14µ	18µ	21µ	38µ	50µ
2010 2010 2006 2347-3001	0	47	4	36	N	N	5.7	23/23/18	70318	48550	13413	1770	293	133	13	6
42338-3009	0	46	5	34	N	N	12.0									
42326-3001	0	48	5	35	N	N	5.5	23/20/13	50908	6029	101	77	63	56	29	17

Particle count still high.  
ppm results are not. Don't understand...

Ag = Silver, Al = Aluminum, B = Boron, Ca = Calcium, Cr = Chromium, Cu = Copper, Fe = Iron, P = Phosphorus, K = Potassium, Mg = Magnesium, Mo = Molybdenum, Na = Sodium, Ni = Nickel, Pb = Lead, Si = Silicon, Sn = Tin, V = Vanadium, Zn = Zinc, A = Antifreeze, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content, PQI = Particle Quantifying Index, NaW = Salt Water, FL Pt = Flash Point, TAN = Total Acid Number, TBN = Total Base Number, H2O = Karl Fisher result, V100 = Viscosity@100C, V40 = Viscosity@40C

Notice: This analysis is intended as an aid in predicting mechanical wear. No guarantee, expressed or implied, is made against failure of this piece of equipment or a component thereof.