Fluid Trend Analysis
07/26/2007

WESTERN STATES CAT

208-888-2287
westernstates.cat.com

500 E. Overland Road
Meridian, Idaho 83642

Reportable

Customer Unit ID	Make	Model	Serial	Compartment
PRIUS	TOYOTA	PRIUS		Gasoline Engine

Oil Sample Information / Miscellaneous / Infrared Analysis / Prior Interpretation Codes

	Control #	Date Taken	Fluid Status	Fluid Add	SMR	Fluid Run Time	A/F	Fuel	H2O	Viscosity 40C	Soot	Oxi	Nit	Sul	Prior Interpretation Codes
E-															
D-	07620070214	02/10/2007	Sampled	0.0	40000	1000		Y	N	20.0	28	20	62	20	044 430
C-	06720070605	05/29/2007	Changed	0.0	49000	4950	N	Y	N	10.0					044 146 029 033 011 012
B-	06020070622	06/18/2007	Sampled	0.0	50869	1750			N	20.0					200
A-	**07120070726**	**07/22/2007**	**Changed**	**0.0**	**54000**	**5000**		**Y**	**N**	**20.0**	**3**	**13**	**8**	**19**	Fluid: **PENZOIL**

Wear Metals (Parts per Million)

Filter Changed ^

	Lead	Copper	Iron	Chrome	Aluminu	Silicon	Tin	Sodium	Potasum	Moly	Nickel	Silver	Barium	Calcium	Magnesm	Phospor	Zinc
E-																	
D-	1	1	2	1	1	1	1	4	8	102	1	1	1	1050	3	402	470
C-	1	13	41	1	4	8	1	203	5	116	2	1	1	2610	173	1100	1310
B-	1	1	4	1	3	10	4	47	2	204	1	1	1	1980	7	750	911
A-	**4**	**1**	**5**	**1**	**3**	**12**	**1**	**49**	**5**	**181**	**1**	**1**	**1**	**1780**	**11**	**708**	**834**

Overall Status

E-
D- Reportable
C- Reportable
B- Normal
A- Reportable

Current Sample Interpretation

Current Sample is Line "A"

Sample shows fuel dilution and low viscosity

Find Source Of Fuel Entry

If You Have Already Changed Oil, Resample In 3000 Miles.

To Confirm Sample Levels And Develop A Trend.

Custom Tests >>>>

E-
D-
C-
B-
A-

S·O·S℠

Send Analysis To:

DAVID McKINSTRY
1805 5th
Cheney, WA 99004

Comments

E-
D-
C-
B-
A-

Thank You for Choosing Western States Equipment

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