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6279 CR 1140

Celeste, Texas 75423

1255001

**Sample Information** 0258  
**Site** Greenville, TX  
**Area** Dennis Coyne Oreno, ME  
**Unit** Toyota  
**Equipment** Gasoline Engine  
**Description** 2004 Prius 1NZFXE  
**Sample Pt Key**  
**Fluid in Use** Penn Platinum 5W20  
**Fluid Grade** SAE CRANKCASE 0w20  
**Lst Fluid Change**

**Equipment Information**  
**Equipment Type** Gasoline Engine  
**Cooled** **Cooling Source**  
**Filtered** **Filter Size**  
**Lst Filter Change** 109023  
**Sump Capacity**  
**Lubrication System**  
**Lubed Components**  
**Bearing Types**  
**Gear Types**



### Sample Evaluation

Wear

Physical

Contaminant

Lab

Sample Information			Wear Metals									Additive Metals								Contaminant Metals				
Samp No	Hrs/Miles	Samp Date	Iron	Coppe	Tin	Lead	Chrom	Nickel	Alum	Titan	Silver	Calciu	Magne	Zinc	Phos	Bariu	Molyb	Antim	Silico	Sodiu	Boron	Potas	Vanad	
09110589	4585/118333	10/11/2009	10	0	0	0	1	0	3	0	0	2404	17	954	812	0	51	15	8	18	33	0	0	
09060823	10237/112461	05/31/2009	12	1	0	1	1	0	4	0	0	1937	16	1059	919	0	2	194	18	29	11	0	0	
08121027	20016/101336	12/10/2008	13	1	0	1	1	0	4	0	0	2029	10	969	1002	0	3	225	21	18	10	0	1	
08071113	10264/91584	07/14/2008	10	1	0	1	0	1	4	0	0	1970	16	968	798	5	3	188	19	17	8	0	0	
08011265	15155/80650	01/20/2008	12	1	0	1	1	1	5	0	0	1715	12	817	853	0	8	178	11	12	11	0	0	
07110389	10002/75497	11/05/2007	8	1	0	0	0	0	3	0	0	1973	13	1032	711	0	10	205	20	15	12	0	0	
Watch Advisory			50	25	20	25	15	10	15	10	10									20	150	50	25	10
Warning Advisory			100	50	40	50	30	20	30	20	20									75	150	100	50	20
Reference																								

Sample Information		Physical and Other Tests											
Samp No	Samp Date	V40C	V100C	TAN	FLASH	OXID	NIT	KF	TBN	FUEL	SOOT	GLYCOL	vndx
09110589	10/11/2009	43.1	7.9	2.24	365	46	13	756	4.4	.799	0	0	157
09060823	05/31/2009	42.1	8.5	3.41	285	152	17	553	1.9	1.60	0	0	185
08121027	12/10/2008	47.0	8.2	2.52	330	167	19	608	1.2	1.20	0	0	150
08071113	07/14/2008	45.1	8.1	3.57	375	160	16	681	2.8	.645	0	0	155
08011265	01/20/2008	42.9	8.10	3.42	425	162	17	512	2.1	0.00	0	0	166
07110389	11/05/2007	39.4	7.5	2.75	290	153	16	565	2.2	1.55	0	0	161
Watch				2.5	400	20	15	750	3	2	2		
Warning				4	375	30	25	1500		4	4		
Ref													

Sample Information		Other Tests	Samp No	Comments / Recommendations
Samp No	Samp Date			
09110589	10/11/2009		09110589	Sulfate By Product = 44;
09060823	05/31/2009			
08121027	12/10/2008			
08071113	07/14/2008			
08011265	01/20/2008		09060823	Amended Report; Sulfate By Product = 127.
07110389	11/05/2007			
Watch				
Warning				
Ref				

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