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6279 CR 1140

Celeste, Texas 75423

1255001

Sample Information 0410
Site Greenville, TX
Area Jim Arnold Akron, OH
Unit Toyota
Equipment Gasoline Engine
Description 2007 Prius 1 5L 4 Cyl DOHC
Sample Pt Key
Fluid in Use RLI Biosyn 5w30
Fluid Grade SAE CRANKCASE 5w30
Lst Fluid Change 10/25/2009

Equipment Information
Equipment Type Gasoline Engine
Cooled **Cooling Source**
Filtered **Filter Size**
Lst Filter Change 10/25/2009
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
09101843	5411/30723	10/25/2009	8	1	0	0	1	0	5	0	0	1837	11	842	859	2	0	174	16	11	10	0	0
08050001	5365/11543	04/26/2008	14	3	0	0	1	1	5	0	0	2056	19	761	912	2	41	0	15	9	59	0	0
07110753	3808/4760	11/07/2007	6	19	0	0	0	1	3	0	0	1416	9	790	748	1	37	0	52	5	135	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 10/11/2007			2	0	0	1	0	0	2	0	0	1914	12	1022	965	3	3	281	6	10	18	0	1

Sample Information		Physical and Other Tests												
Samp No	Samp Date	V40C	V100C	TAN	FLASH	OXID	NIT	KF	TBN	FUEL	SOOT	GLYCOL	vndx	
09101843	10/25/2009	45.1	8.8	2.42	240	160	4	613	2.8	1.99	0	0	179	
08050001	04/26/2008	47.9	8.8	2.05	270	18	13	667	4.1	1.73	0	0.40	166	
07110753	11/07/2007	41.9	7.8	1.70	305	14	9	1522	3.4	1.42	0	0.06	158	
Watch		90 -110	9.8 -12	2.5	400	20	15	750	3	2	2			
Warning		85 -115	9.3 -12.5	4	375	30	25	1500		4	4			
Ref		57.7	11.3	1.47	405	131	8	812	5.9	.321	0	0	194	

Sample Information		Other Tests	Samp No	Comments / Recommendations
Samp No	Samp Date		09101843	
09101843	10/25/2009			
08050001	04/26/2008		08050001	Sulfate By Product = 22.
07110753	11/07/2007			
Watch				
Warning				
Ref		10/11/2007		