

UNIT	MAKE/MODEL: Toyota 1.5L (1NZFXE) 4-cyl	OIL TYPE & GRADE: Mobil 1 5W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,800 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS	: You called it on the silicon. We wouldn't say it's high at 19 ppm, but it did increase over last sample. Since we know you expected that, we're not concerned about it. Metals still look fine, so the small amount of extra dirt hasn't hurt the engine at all. The oil was in good shape physically, containing no moisture, fuel, or coolant. The TBN read 4.1, still plenty of active additive remaining. Insolubles show good oil filtration. Can this oil & filter combo go longer? Heck yeah. Go got 5500-6000 miles next time. Wear will still read low; Toyotas are really nice engines.
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ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	4,800	UNIT / LOCATION AVERAGES	4,921	380	1,420	5,054	UNIVERSAL AVERAGES
	MI/HR on Unit	69,880		59,918	55,577	36,314	19,732	
	Sample Date	01/27/08		09/29/07	08/05/07	11/26/06	02/24/06	
	Make Up Oil Added	0 qts		0 qts	0 qts	0 qts	0 qts	
	ALUMINUM	3		2	2	2	3	
	CHROMIUM	0		0	0	0	0	
	IRON	8		4	2	1	6	
	COPPER	1		1	1	0	1	
	LEAD	0		0	0	0	0	
	TIN	0		0	0	0	1	
	MOLYBDENUM	67		39	38	70	84	
	NICKEL	0		0	0	0	0	
	MANGANESE	0		0	0	0	1	
	SILVER	0		0	0	0	0	
	TITANIUM	0		0	0	0	0	
	POTASSIUM	0		2	0	0	1	
	BORON	35		22	32	47	40	
	SILICON	19		12	8	11	9	
	SODIUM	9		6	3	4	50	
	CALCIUM	2258		2273	2091	2116	2010	
	MAGNESIUM	13		11	9	10	11	
	PHOSPHORUS	616		638	580	589	586	
	ZINC	768		732	668	680	653	
	BARIUM	0		2	1	1	0	

Values  
Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	51.8	46-59	55.8	56.3	59.8	56.5
	cSt Viscosity @ 100°C	7.82	6.0-10.2	9.01	9.16	10.15	9.20
	Flashpoint in °F	385	>355	370	355	350	345
	Fuel %	<0.5	<2.0	<0.5	0.5	0.8	1.0
	Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0
	Water %	0.0	<0.1	0.0	0.0	0.0	TR
	Insolubles %	0.3	<0.6	0.2	0.1	0.2	0.2
	TBN	4.1					
	TAN						
	ISO Code						

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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