OIL REPORT

LAB NUMBER: F06229 **UNIT ID:** 09 YARIS
REPORT DATE: 6/12/2012 **CLIENT ID:**
CODE: 63/75 **PAYMENT:**

UNIT

MAKE/MODEL: Toyota 1.5L 4-cyl (1NZ-FE) OIL TYPE & GRADE: Napa Synthetic 5W/20
FUEL TYPE: Gasoline (Unleaded) OIL USE INTERVAL: 3,500 Miles
ADDITIONAL INFO: Supercharged - 6 psi

CLIENT

COMMENTS

SCOTT: Looking good! This Yaris is showing nice, low wear metals, which is a great indication that it's running well and has no unusual mechanical problems developing. Our universal averages for the 1NZ-FE engine show what typical wear should look like after about 6,200 miles, but even though you're not running quite that long on the oil, everything is within the average range and well-balanced, so we don't see any signs of trouble. A trace of fuel was the only contaminant, but that level isn't a problem by any means. This is a great first sample! Check back to build trends.

ELEMENTS IN PARTS PER MILLION

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil	3,500							
MI/HR on Unit	24,983							
Sample Date	06/03/12							
Make Up Oil Added	0 qts							
ALUMINUM	3	3						3
CHROMIUM	0	0						0
IRON	10	10						9
COPPER	1	1						2
LEAD	0	0						1
TIN	2	2						1
MOLYBDENUM	9	9						82
NICKEL	0	0						0
MANGANESE	10	10						0
SILVER	0	0						0
TITANIUM	0	0						1
POTASSIUM	5	5						3
BORON	6	6						41
SILICON	11	11						15
SODIUM	321	321						26
CALCIUM	1926	1926						2411
MAGNESIUM	96	96						93
PHOSPHORUS	712	712						850
ZINC	800	800						857
BARIUM	1	1						0

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	49.3	46-59					
cSt Viscosity @ 100°C	7.06	6.0-10.2					
Flashpoint in °F	**350**	>355					
Fuel %	TR	<2.0					
Antifreeze %	0.0	0.0					
Water %	0.0	<0.1					
Insolubles %	0.3	<0.6					
TBN							
TAN							
ISO Code							

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**

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