BLACKSTONE LABORATORIES

P.O. NUMBER CC: Visa
CODE: 44/18833/121

UNIT NUMBER 01
REPORT DATE: 5/11/05
LAB NUMBER: C44607

OIL REPORT

CLIENT

CONTACT:
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UNIT

EQUIPMENT MAKE: Toyota
EQUIPMENT MODEL: 4.0L V6 (1GR-FE)
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO:

OIL USE INTERVAL: 5,200 Miles
OIL TYPE & GRADE: Mobil 1 5W/30 (Gas)
MAKE-UP OIL ADDED: 5 qts

COMMENTS

JAKE: The TBN for this oil was 3.0 so you still have adequate active additive in the oil after the 5,200 miles oil use run. Universal averages show typical wear metals for an oil from this type of engine after about 3,690 miles run on the oil. Your oil run was longer, but we found all wear at around average levels and in the correct balance to show normal mechanical parts inside. Air and oil filtration appear normal. This was 5W/30 synthetic engine oil with no gas, moisture or anti-freeze in it. Either Mobil or Amsoil will work equally as well. Try 6,000 miles next sample.

ELEMENTS IN PARTS PER MILLION

MI/HR ON OIL	5,200	UNIT / LOCATION AVERAGES							UNI VERSAL AVERAGES
MI/HR ON UNIT	25,200								
SAMPLE DATE	04/28/05								
ALUMINUM	2	2							2
CHROMIUM	1	1							0
IRON	10	10							7
COPPER	1	1							5
LEAD	1	1							1
TIN	0	0							0
MOLYBDENUM	84	84							90
NICKEL	0	0							0
MANGANESE	0	0							0
SILVER	0	0							0
TITANIUM	0	0							0
POTASSIUM	0	0							1
BORON	48	48							60
SILICON	18	18							15
SODIUM	5	5							5
CALCIUM	2343	2343							2219
MAGNESIUM	14	14							34
PHOSPHORUS	665	665							749
ZINC	807	807							907
BARIUM	1	1							0

PROPERTIES

TEST	cST VISCOSITY @ 40 °C	SUS VISCOSITY @ 100 °F	VISCOSITY INDEX	cST VISCOSITY @ 100 °C	SUS VISCOSITY @ 210 °F	FLASHPOINT IN °F	FUEL %	ANTIFREEZE %	WATER %	INSOLUBLES %
VALUES SHOULD BE					55-62	>365	<2.0	0	<0.1	<0.6
TESTED VALUES WERE					59.9	SHORT	-	0.0	0.0	0.3

LIABILITY LIMITED TO COST OF SAMPLE ANALYSIS

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