BLACKSTONE LABORATORIES

P.O. NUMBER CC: Visa (Prepaid)
CODE: 44/26050/284

OIL REPORT

UNIT NUMBER 06 MZ6
REPORT DATE: 3/30/07
LAB NUMBER: D01163

CLIENT

CONTACT:
NAME: JOHN HUFF
ADDRESS: 540 CARILLON PARKWAY
APT. 1104
ST. PETERSBURG, FL 33716

PHONE: (813) 679-7753
FAX:
E-MAIL: john@airflowlogistics.com

UNIT

EQUIPMENT MAKE: Mazda
EQUIPMENT MODEL: 2.3L 4-cyl Turbo
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO:

OIL USE INTERVAL: 2,900 Miles
OIL TYPE & GRADE: Synthetic 5W/20
MAKE-UP OIL ADDED:

COMMENTS

JOHN: The high wear metals and silicon are not unusual finds in the oil from your new Mazda. In fact, we would have been surprised if we didn't find them. The wear is high due to break-in of new parts, while silicon is from sealers and sand-casted parts. Universal averages show typical wear metals for oil from this engine after 5000 miles use. We expect your engine will look that good or better in two or three more oil changes. The 2.3L tends to wear very nicely, and yours will too once it's past wear-in. Check back to see improvements.

ELEMENTS IN PARTS PER MILLION

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR ON OIL	2,900							
MI/HR ON UNIT	2,900							
SAMPLE DATE	03/24/07							
ALUMINUM	7	7						4
CHROMIUM	1	1						1
IRON	**29**	29						10
COPPER	**294**	294						11
LEAD	**5**	5						0
TIN	0	0						0
MOLYBDENUM	71	71						89
NICKEL	1	1						0
MANGANESE	4	4						1
SILVER	0	0						0
TITANIUM	0	0						0
POTASSIUM	6	6						1
BORON	5	5						66
SILICON	**36**	36						8
SODIUM	5	5						6
CALCIUM	1622	1622						2270
MAGNESIUM	6	6						52
PHOSPHORUS	636	636						678
ZINC	734	734						807
BARIUM	9	9						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					48-60	>355	<2.0	0	<0.1	<0.6
TESTED VALUES WERE					54.7	410	<0.5	0.0	0.0	0.5

LIABILITY LIMITED TO COST OF SAMPLE ANALYSIS

416 EAST PETTIT AVE
FORT WAYNE, IN 46806 (260) 744-2380