BLACKSTONE LABORATORIES

P.O. NUMBER CC: MC (Bulk)
CODE: 63/25875/12

UNIT NUMBER 06 INSIGHT
REPORT DATE: 7/6/07
LAB NUMBER: D10102

OIL REPORT

CLIENT

CONTACT:
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PORTAGE, MI 49024

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UNIT

EQUIPMENT MAKE: Honda
EQUIPMENT MODEL: 1.0L 3-cyl
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO:

OIL USE INTERVAL: 8,824 Miles
OIL TYPE & GRADE: Mobil 7500 5W/20
MAKE-UP OIL ADDED: 0 qts

COMMENTS

PAUL: Wear improved nicely with the shorter oil run. Wear now reads close to universal averages and in the proper balance. Only iron remains above average but that was expected because you ran this oil longer than average. Iron is the one wear metal that tracks with miles on the oil (more miles=more iron). We suggest another oil run of 9,000 miles and resampling to monitor. We'd like to see silicon come to average levels, as it can be abrasive. Universal averages are based on an oil run of ~6,200 miles. Your engine is looking good.

ELEMENTS IN PARTS PER MILLION

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR ON OIL	8,824		12,000	7,500				
MI/HR ON UNIT	28,275		20,400	7,500				
SAMPLE DATE	07/01/07		03/07/07	10/15/06				
ALUMINUM	5	8	**10**	**10**				6
CHROMIUM	1	1	2	1				1
IRON	17	21	**34**	13				11
COPPER	6	10	9	15				11
LEAD	0	0	0	0				1
TIN	0	1	1	1				1
MOLYBDENUM	159	328	284	541				181
NICKEL	0	0	0	0				0
MANGANESE	1	1	1	2				0
SILVER	0	0	0	0				0
TITANIUM	0	0	0	0				0
POTASSIUM	5	6	8	6				1
BORON	34	90	57	180				113
SILICON	18	30	**21**	**50**				13
SODIUM	223	143	193	14				17
CALCIUM	1650	1691	1751	1671				2217
MAGNESIUM	21	23	34	15				155
PHOSPHORUS	606	594	603	572				730
ZINC	724	714	733	685				882
BARIUM	1	3	2	7				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					53-62	>355	<2.0	0	0.0	<0.6
TESTED VALUES WERE					55.4	385	<0.5	0.0	0.0	0.3

LIABILITY LIMITED TO COST OF SAMPLE ANALYSIS

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