BLACKSTONE LABORATORIES

P.O. NUMBER Prepaid
CODE: 20/5530/284

UNIT NUMBER 06 STR GLIDE
REPORT DATE: 8/29/07
LAB NUMBER: D15283

OIL REPORT

CLIENT

CONTACT:
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UNIT

EQUIPMENT MAKE: Harley Davidson
EQUIPMENT MODEL: Twin Cam 88
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO: 2006

OIL USE INTERVAL: 2,122 Miles
OIL TYPE & GRADE: Mobil 1 20W/50
MAKE-UP OIL ADDED: 0

COMMENTS

JODY: The universal averages for typical wear metals in oil from the Twin Cam 88 are based on a 3850-mile oil change interval. This oil was in use for 2122 miles and wear metals looked okay since this engine is still going through wear-in. Those metals should decrease in future samples and read around average levels once you decide to use the ~3850-mile oil change. The oil's viscosity was mildly high for a 20W/50-grade but it didn't hurt anything. Silicon was a bit high but should decrease in the next sample. Oil filtration (see insolubles) was normal. Try ~2700 miles next.

ELEMENTS IN PARTS PER MILLION

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR ON OIL	2,122							
MI/HR ON UNIT	4,622							
SAMPLE DATE	08/16/07							
ALUMINUM	8	8						5
CHROMIUM	0	0						1
IRON	10	10						13
COPPER	13	13						16
LEAD	2	2						2
TIN	1	1						1
MOLYBDENUM	94	94						50
NICKEL	0	0						0
MANGANESE	1	1						1
SILVER	0	0						0
TITANIUM	0	0						0
POTASSIUM	0	0						2
BORON	213	213						147
SILICON	12	12						9
SODIUM	6	6						7
CALCIUM	2799	2799						2169
MAGNESIUM	34	34						342
PHOSPHORUS	1415	1415						996
ZINC	1781	1781						1201
BARIUM	0	0						1

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					77-94	>385	<2.0	0.0	<0.1	<0.6
TESTED VALUES WERE					**96.8**	400	<0.5	-	0.0	0.2

LIABILITY LIMITED TO COST OF SAMPLE ANALYSIS

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