OIL REPORT

LAB NUMBER: H66051 **UNIT ID:** MG-HD
REPORT DATE: 7/25/2016 **CLIENT ID:**
CODE: 7/711 **PAYMENT:**

UNIT

EQUIP. MAKE/MODEL: Harley Davidson Twin Cam 88
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO: 2005 Road King Custome (FLHRSI)

OIL TYPE & GRADE: Amsoil MCV 20W/50
OIL USE INTERVAL: 858 Miles

CLIENT

PHONE:
FAX:
ALT PHONE:
EMAIL:

COMMENTS

Wear metals are nice and low in this sample. Universal averages show typical wear levels for this type of engine after about 3,800 miles on the oil. This was a much shorter run, so it's nice to see wear metals lower than average. The viscosity is in the 20W/50 range and there's no moisture or excess fuel present. The oil and air filters kept silicon and insolubles low. The TBN read 11.3, showing plenty of active additive left and the TAN is 4.2, showing some acidity. No problems found at 4,289 miles.

ELEMENTS IN PARTS PER MILLION

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil	858							
MI/HR on Unit	4,289							
Sample Date	7/20/2016							
Make Up Oil Added	200 ml							
ALUMINUM	1	1						5
CHROMIUM	0	0						0
IRON	4	4						12
COPPER	3	3						16
LEAD	1	1						2
TIN	0	0						1
MOLYBDENUM	46	46						62
NICKEL	0	0						0
MANGANESE	0	0						1
SILVER	0	0						0
TITANIUM	0	0						0
POTASSIUM	1	1						2
BORON	7	7						123
SILICON	9	9						10
SODIUM	3	3						19
CALCIUM	3189	3189						2428
MAGNESIUM	29	29						274
PHOSPHORUS	1186	1186						1047
ZINC	1376	1376						1289
BARIUM	0	0						1

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	98.5	81-102					
cSt Viscosity @ 100°C	20.01	15.8-21.1					
Flashpoint in °F	425	>385					
Fuel %	<0.5	<2.0					
Antifreeze %	-	0.0					
Water %	0.0	<0.1					
Insolubles %	TR	<0.6					
TBN	11.3	>1.0					
TAN	4.2						
ISO Code							

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

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