



OIL REPORT

LAB NUMBER:
 REPORT DATE: 9/21/2015
 CODE: 20/501

UNIT ID:
 CLIENT ID:
 PAYMENT:

UNIT	EQUIP. MAKE/MODEL: Harley Davidson Twin Cam 103	OIL TYPE & GRADE: Amsoil MCV 20W/50
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 1,000 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS We went off engine mileage to determine this as the first sample from your FLXH, but it should be noted that the sample date (8/28/15) was later than your second sample from this engine. Things were going well for your Harley when this oil was changed. Wear metals are nice and low compared to universal averages, which is what you'd want to find since those averages are based on a longer oil run of about 4,200 miles. The TBN was strong at 6.0, and your oil filter held insolubles to just a trace. This is a good way to start things off for this engine. "Sample D1"

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	1,000	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	16,609						
	Sample Date	8/28/2015						
	Make Up Oil Added	0 qts						
ALUMINUM	2	4					4	
CHROMIUM	0	0					1	
IRON	4	10					13	
COPPER	10	10					15	
LEAD	0	0					2	
TIN	2	1					1	
MOLYBDENUM	98	58					131	
NICKEL	0	0					1	
MANGANESE	1	4					3	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM	2	2					3	
BORON	278	84					134	
SILICON	18	14					12	
SODIUM	2	5					21	
CALCIUM	1541	2997					2503	
MAGNESIUM	611	198					312	
PHOSPHORUS	1045	1084					1172	
ZINC	1341	1441					1493	
BARIUM	0	1					1	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	100.9	81-102				
	cSt Viscosity @ 100°C	20.58	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	6.0	>1.0				
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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