

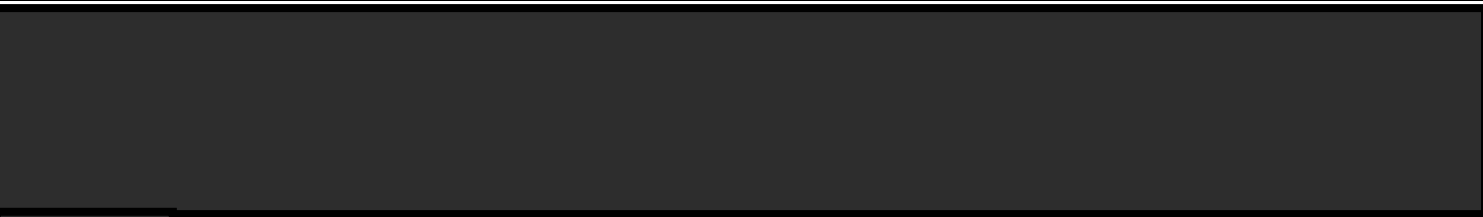


OIL REPORT

LAB NUMBER: H24275
 REPORT DATE: 1/4/2016
 CODE: 20/685

UNIT ID: 09 HDRK
 CLIENT ID: XXXXXXXXXX
 PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Harley Davidson Twin Cam 96 CID	OIL TYPE & GRADE: Red Line 5W/50
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 700 Miles
	ADDITIONAL INFO: Roadking	



COMMENT: So far so good on this Redline 5W/50 oil. Wear metals all look good, with some nice improvements showing up since last time. Of course, the shorter oil run might account for the drop in wear. Fuel dilution was present at 1.3%, and that might be from your cooler riding/shorter trips more than anything else. It didn't lower the viscosity out of range, though, and the TBN is still looking good at 7.5. You should be fine to run this oil longer. Try adding a couple thousand miles, for starters. Averages show typical wear for this type Harley after 4,100 miles on the oil.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	700	UNIT / LOCATION AVERAGES	3,949				UNIVERSAL AVERAGES
	MI/HR on Unit	29,297		28,349				
	Sample Date	12/22/2015		11/20/2014				
	Make Up Oil Added	0 qts		0 qts				
ALUMINUM	2	3	3				5	
CHROMIUM	0	1	1				0	
IRON	4	10	16				12	
COPPER	6	12	17				18	
LEAD	0	1	1				1	
TIN	0	0	0				2	
MOLYBDENUM	451	402	352				88	
NICKEL	1	1	0				0	
MANGANESE	0	0	0				1	
SILVER	0	0	0				0	
TITANIUM	0	0	0				1	
POTASSIUM	7	6	4				3	
BORON	128	92	55				132	
SILICON	14	15	15				13	
SODIUM	115	104	93				25	
CALCIUM	2682	2664	2646				2521	
MAGNESIUM	7	9	11				299	
PHOSPHORUS	1234	1460	1685				1126	
ZINC	1318	1630	1941				1425	
BARIUM	0	1	1				1	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	84.1	72-92	94.1			
	cSt Viscosity @ 100°C	16.54	13.5-18.7	18.97			
	Flashpoint in °F	350	>375	430			
	Fuel %	1.3	<2.0	<0.5			
	Antifreeze %	-	0.0	-			
	Water %	0.0	<0.1	0.0			
	Insolubles %	TR	<0.6	0.1			
	TBN	7.5	>1.0	5.5			
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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