



# OIL REPORT

LAB NUMBER: D47838  
 REPORT DATE: 8/5/2008  
 CODE: 20/284

UNIT ID: BONNIE  
 CLIENT ID: 32052  
 PAYMENT: CC: Visa

<b>UNIT</b>	EQUIP. MAKE/MODEL: Triumph 865cc Bonneville	OIL TYPE & GRADE: Mobil 1 10W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 725 Miles
	ADDITIONAL INFO: 2008	

<b>CLIENT</b>	LES NADON	PHONE: (307) 778-7799
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**COMMENTS** LES: Having peered intently into this situation, we have an idea about why Bonnie's lead is high. There isn't any lead in 91 octane Sinclair, so that rules that theory out. Abrasive silicon (probably from sand-casted parts) can make its way into the oil and scratches-up the bearings temporarily; thus, the high lead. The nickel may be from a valve guide (if they are made of nickel). We usually see this in aircraft. This bike is still wearing-in, so metals should improve next time. Keep your runs short and resample to watch for improvements.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	725	<b>UNIT / LOCATION AVERAGES</b>	650				<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	1,375		650				
	Sample Date	07/26/08		07/13/08				
	Make Up Oil Added	0 qts		0 qts				
ALUMINUM	7	7	6				14	
CHROMIUM	0	0	0				1	
IRON	10	11	11				25	
COPPER	4	5	6				13	
LEAD	<b>34</b>	<b>35</b>	<b>36</b>				8	
TIN	0	2	3				1	
MOLYBDENUM	62	33	3				18	
NICKEL	<b>7</b>	<b>8</b>	<b>9</b>				1	
MANGANESE	1	1	1				1	
SILVER	0	0	0				0	
TITANIUM	0	0	0				0	
POTASSIUM	1	1	1				1	
BORON	155	96	36				134	
SILICON	18	21	<b>24</b>				15	
SODIUM	4	4	3				10	
CALCIUM	2172	2194	2216				2062	
MAGNESIUM	32	102	172				424	
PHOSPHORUS	1209	1145	1080				962	
ZINC	1472	1429	1386				1151	
BARIUM	1	2	3				1	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	66.1	66-74	68.4			
	cSt Viscosity @ 100°C	11.92	11.9-14.3	12.52			
	Flashpoint in °F	410	>385	420			
	Fuel %	<0.5	<2.0	<0.5			
	Antifreeze %	-	0	-			
	Water %	0.0	0.0	0.0			
	Insolubles %	0.2	<0.7	0.1			
	TBN						
	TAN						
	ISO Code						

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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