



# OIL REPORT

LAB NUMBER: K32023  
 REPORT DATE: 6/28/2018  
 CODE: 20/685

UNIT ID: 04 STROM  
 CLIENT ID: 95673  
 PAYMENT: CC: Visa

<b>UNIT</b>	MAKE/MODEL: Suzuki Motorcycle DL650 V-Twin	OIL TYPE & GRADE: Valvoline M.C. 10W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 5,876 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	JOSHUA DOWNS	PHONE: (940) 452-1721
	1990 COUNTY RD 1032	FAX:
	GREENVILLE, TX 75401	ALT PHONE:
		EMAIL: jeepinbanditrider@gmail.com, joshua.d.downs@gmail.com

**COMMENTS**  
 JOSHUA: Storing your bike outdoors didn't do any harm to the engine that we can see. There is some extra copper this time around, but that's probably not related to storage. It's been trending up and that could show a developing issue with brass/bronze parts, but with other metals at pretty good levels, we aren't sold on that idea, especially if all is well on your end. We'll continue to watch copper from here. The viscosity was low and we found a trace of fuel, but neither is too concerning. The TBN was strong at 5.6, but try just 4K-5K miles next to get another look sooner.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	5,876	UNIT / LOCATION AVERAGES	6,500	4,100				<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	75,676		69,700	63,244				
	Sample Date	3/3/2018		9/20/2016	1/31/2016				
	Make Up Oil Added	0 qts		0.33 qts	0.33 qts				
ALUMINUM	25	23	27	18				14	
CHROMIUM	2	1	1	1				1	
IRON	20	15	15	10				26	
COPPER	20	13	13	7				7	
LEAD	2	2	2	1				2	
TIN	1	1	1	0				1	
MOLYBDENUM	8	33	52	38				47	
NICKEL	1	1	0	1				1	
MANGANESE	0	0	0	0				1	
SILVER	0	0	0	0				0	
TITANIUM	0	0	0	0				0	
POTASSIUM	3	3	2	5				2	
BORON	165	62	15	5				37	
SILICON	10	9	12	5				11	
SODIUM	364	125	6	4				15	
CALCIUM	1962	2727	3248	2970				1759	
MAGNESIUM	20	20	20	21				580	
PHOSPHORUS	1019	1087	1177	1065				1039	
ZINC	1168	1310	1452	1311				1222	
BARIUM	0	0	0	0				0	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	58.6	65-76	74.4	87.4			
	cSt Viscosity @ 100°C	9.83	11.6-14.8	14.10	17.34			
	Flashpoint in °F	370	>375	400	370			
	Fuel %	TR	<2.0	<0.5	0.8			
	Antifreeze %	0.0	0.0	0.0	0.0			
	Water %	0.0	<0.1	0.0	0.0			
	Insolubles %	0.2	<0.6	0.3	0.1			
	TBN	5.6	>1.0	7.7	8.4			
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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