BLACKSTONE LABORATORIES

OIL REPORT

LAB NUMBER: E39644	**UNIT ID:** 04 TRI SM
REPORT DATE: 12/28/2010	**CLIENT ID:** 21015
CODE: 20/75	**PAYMENT:** CC: Visa

UNIT

MAKE/MODEL: Triumph 790cc	OIL TYPE & GRADE: Shell Rotella T Synthetic 5W/40
FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,270 Miles
ADDITIONAL INFO: 2004 Triumph Speedmaster - Parallel Twin	

CLIENT

KEITH HOLLIS
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COMMENTS

KEITH: Universal averages show typical wear levels for Triumph's 790cc engine after about 4,000 miles on the oil. Your oil was in service for 4,270 miles, and wear continues to read normally for your engine. The above average silicon could show abrasive dirt contamination in the oil, so check to see that your air filter is still good and fitted properly to the carburetor. The viscosity was a bit low for a 5W/40 oil, but no fuel was present, so we will keep an eye on it next time. No moisture was found either. The low insolubles show proper oil filtration. Nice Triumph at 69,008 miles.

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil	4,270		4,198	3,688	3,884	5,111	3,745	
MI/HR on Unit	69,008		64,738	60,540	56,852	52,968	46,260	
Sample Date	11/28/10		06/27/10	04/17/10	11/14/09	05/24/09	11/01/08	
Make Up Oil Added			0 qts	0 qts	0 qts	0 qts	0 qts	

ELEMENTS IN PARTS PER MILLION

ALUMINUM	14	9	8	7	6	14	5	10
CHROMIUM	1	1	1	1	1	1	1	1
IRON	29	19	26	20	13	30	14	23
COPPER	4	7	4	3	2	4	3	7
LEAD	10	19	13	7	4	10	14	18
TIN	0	1	0	0	0	0	1	0
MOLYBDENUM	62	14	53	2	5	55	1	22
NICKEL	1	1	0	0	0	1	0	1
MANGANESE	0	0	0	0	0	0	0	1
SILVER	0	0	0	0	0	0	0	0
TITANIUM	0	0	0	0	0	0	0	0
POTASSIUM	1	1	2	2	0	0	0	1
BORON	49	13	39	9	41	34	0	25
SILICON	17	13	15	12	5	18	13	10
SODIUM	8	7	9	4	3	36	3	6
CALCIUM	914	2418	1200	3203	714	837	2665	2456
MAGNESIUM	1110	347	1079	206	1254	1118	7	244
PHOSPHORUS	968	1056	1072	1316	943	960	810	996
ZINC	1114	1273	1413	1635	958	1295	893	1217
BARIUM	0	0	0	0	0	0	0	0

PROPERTIES

Values Should Be*

SUS Viscosity @ 210°F	62.8	65-78	67.5	67.6	76.2	64.1	77.7
cSt Viscosity @ 100°C	11.01	11.6-15.3	12.29	12.32	14.57	11.37	14.94
Flashpoint in °F	400	>375	425	395	425	395	400
Fuel %	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5
Antifreeze %	-	0	-	-	-	-	0.0
Water %	0.0	<0.1	0.0	0.0	0.0	0.0	0.0
Insolubles %	0.2	<0.6	0.2	0.2	0.2	0.2	0.2
TBN							
TAN							
ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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