BLACKSTONE LABORATORIES

OIL REPORT

LAB NUMBER: F23371	**UNIT ID:** 07 GT3
REPORT DATE: 10/5/2012	**CLIENT ID:** 38460
CODE: 44/75	**PAYMENT:** CC: MC

UNIT

MAKE/MODEL: Porsche 3.6L H-6	OIL TYPE & GRADE: Mobil 1 5W/40 TDT
FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,000 Miles
ADDITIONAL INFO: 2007 Porsche GT3, runs track events	

CLIENT

JOOST PERQUIN
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COMMENTS

JOOST: Amended report to correct time on the oil. Since this oil run was longer than we saw previously from your GT3, it's no surprise that iron increased. Iron typically tracks with time on the oil, and since this oil has added another 2500 miles since August, an extra 6 ppm of iron is pretty good. Copper, on the other hand, usually doesn't track with time on the oil, so the fact that it doubled may show wear at brass/bronze parts. This is still a new engine though, so it could just be lingering wear-in. The viscosity was a bit lower than before, but not really a problem.

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil	4,000		1,500	2,000				
MI/HR on Unit	14,500		12,200	10,500				
Sample Date	09/21/12		08/13/12	06/30/12				
Make Up Oil Added	0 qts		0 qts					

ELEMENTS IN PARTS PER MILLION

ALUMINUM	7	5	5	4				4
CHROMIUM	1	1	1	0				1
IRON	16	11	10	7				11
COPPER	**29**	19	15	13				11
LEAD	1	1	1	1				7
TIN	0	0	0	0				1
MOLYBDENUM	26	43	24	78				67
NICKEL	2	2	2	2				1
MANGANESE	0	0	0	0				1
SILVER	0	0	0	0				0
TITANIUM	0	0	0	0				0
POTASSIUM	1	2	2	2				2
BORON	78	116	89	182				85
SILICON	4	4	3	4				12
SODIUM	6	5	4	4				12
CALCIUM	1496	1972	1519	2900				2397
MAGNESIUM	622	432	660	13				154
PHOSPHORUS	865	859	902	809				880
ZINC	1028	1009	1086	914				1022
BARIUM	0	0	0	0				0

PROPERTIES

		Values Should Be*						
SUS Viscosity @ 210°F	**61.1**	65-78	**64.8**	**64.0**				
cSt Viscosity @ 100°C	**10.52**	11.6-15.3	**11.56**	**11.34**				
Flashpoint in °F	380	>375	SHORT	405				
Fuel %	<0.5	<2.0	-	<0.5				
Antifreeze %	0.0	0.0	0.0	0.0				
Water %	0.0	<0.1	0.0	0.0				
Insolubles %	0.3	<0.6	0.1	0.1				
TBN								
TAN								
ISO Code								

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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LIABILITY LIMITED TO COST OF ANALYSIS