



OIL REPORT

LAB NUMBER: E77044 UNIT ID: 84 928
 REPORT DATE: 10/31/2011 CLIENT ID: 39615
 CODE: 63/75 PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Porsche 4.7L 16V	OIL TYPE & GRADE: Amsoil Racing 15W/50
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 22 Hours
	ADDITIONAL INFO: RACE CAR	

CLIENT	BRIAN DOTY	PHONE: (209) 351-0635
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COMMENTS
 BRIAN: This is a pretty nice report for your Porsche. Lead isn't making a nuisance of itself here and all other metals are low enough to show no new problems at work. It's great to see these metals are comparable (or better) than past results despite and oil run that was longer than usual. Fuel is down to the acceptable range, and no new contamination was found. The viscosity read as expected and paired with the low insolubles, we think this engine is not suffering from any excess heat. Nice report as of 69.5 total hours.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	22	UNIT / LOCATION AVERAGES	13	12		6	UNIVERSAL AVERAGES
	MI/HR on Unit	70		48		119,000	118,000	
	Sample Date	10/27/11		05/27/11	12/15/10	03/10/10	02/10/10	
	Make Up Oil Added	7 qts		4 qts	5 qts	4 qts		
ALUMINUM	5	6	4	4	5	11	5	
CHROMIUM	1	1	1	2	1	1	2	
IRON	7	10	6	9	8	21	8	
COPPER	3	3	3	3	3	5	8	
LEAD	6	13	5	27	20	6	8	
TIN	0	0	0	0	0	1	0	
MOLYBDENUM	4	5	6	3	4	6	19	
NICKEL	1	1	1	0	0	1	0	
MANGANESE	1	2	1	3	2	4	1	
SILVER	0	0	0	1	0	0	0	
TITANIUM	1	0	0	0	0	0	0	
POTASSIUM	2	5	4	6	3	8	2	
BORON	10	14	17	12	15	17	26	
SILICON	4	15	6	43	5	15	5	
SODIUM	2	7	3	12	8	9	13	
CALCIUM	1994	1864	1841	1774	1816	1896	1771	
MAGNESIUM	12	13	11	20	11	13	117	
PHOSPHORUS	1274	1300	1351	1263	1271	1343	1028	
ZINC	1511	1523	1563	1439	1481	1623	1194	
BARIUM	0	0	0	0	0	0	0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	85.4	79-92	84.8	78.4	82.5	80.6
	cSt Viscosity @ 100°C	16.86	15.3-18.7	16.71	15.13	16.14	15.68
Flashpoint in °F	410	>390	355	390	430	395	
Fuel %	<0.5	<2.0	1.8	TR	<0.5	<0.5	
Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0	
Water %	0.0	<0.1	0.0	0.0	0.0	0.0	
Insolubles %	0.3	<0.6	0.3	0.3	0.3	0.4	
TBN							
TAN							
ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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