



# OIL REPORT

LAB NUMBER: D20958  
 REPORT DATE: 10/23/2007  
 CODE: 63/12

UNIT ID: [REDACTED]  
 CLIENT ID: [REDACTED]  
 PAYMENT: CC: MC (Bulk)

<b>UNIT</b>	MAKE/MODEL: Porsche 3.6L 6-cyl	OIL TYPE & GRADE: Mobil 1 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	[REDACTED]	FAX: [REDACTED]
	[REDACTED]	ALT PHONE: [REDACTED]

**COMMENTS**  
 GREG: We don't know how long this oil was run, but our guess is, it was run longer than average. The universal averages column shows typical wear from this type of engine after 2300 miles on the oil. Iron, copper, and lead all read higher than expected. A long oil change will contribute to this, but we are also concerned about poor bearing wear. How is this Porsche engine running? We'd expect a knock or other noise with a bearing problem. Upper-end metals look okay. We didn't find any harmful contaminants. Check back for another look at bearings.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil		<b>UNIT / LOCATION AVERAGES</b>					<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	142.000						
	Sample Date	05/14/07						
	Make Up Oil Added	2 qts						
ALUMINUM	5	5					5	
CHROMIUM	0	0					1	
IRON	23	23					11	
COPPER	29	29					11	
LEAD	41	41					9	
TIN	3	3					1	
MOLYBDENUM	84	84					51	
NICKEL	3	3					2	
MANGANESE	0	0					2	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM	0	0					2	
BORON	111	111					38	
SILICON	5	5					19	
SODIUM	10	10					5	
CALCIUM	2945	2945					2089	
MAGNESIUM	29	29					130	
PHOSPHORUS	754	754					839	
ZINC	960	960					988	
BARIUM	0	0					0	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	67.0	55-62				
	cSt Viscosity @ 100°C	12.15	8.8-11.1				
	Flashpoint in °F	425	>365				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	0.0				
	Insolubles %	0.4	<0.6				
	TBN						
	TAN						
	ISO Code						

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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