



OIL REPORT

LAB NUMBER: D89441

UNIT ID: 89 CA

REPORT DATE: 9/28/2009

CLIENT ID: 26614

CODE: 22/37

PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Porsche 3.6L Air-Cooled	OIL TYPE & GRADE: Valvoline VR-1 Race 20W/50
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 1,000 Miles
	ADDITIONAL INFO: 964, Track Car, Extended hi RPM time	

CLIENT	LYNN GIBSON	PHONE: (512) 756-2473
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COMMENTS LYNN: Your 3.6L engine appears to be wearing well at 55,679 total miles. Universal averages show typical wear from the air-cooled 3.6L after ~4,200 miles of oil use. This 20W/50 oil was in use for just 1,000 miles and wear read lower than those averages. One reason why is the shorter oil run and another is these are very nicely wearing engines. The high sodium is a special additive that Valvoline uses in combination with their standard additives in this specific oil. Air and oil filtration (see silicon/insolubles) appeared normal and no gas was present. Nice wearing Porsche!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	1,000	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	55,679						
	Sample Date	09/20/09						
	Make Up Oil Added	1 qt						
ALUMINUM	2	2					4	
CHROMIUM	0	0					0	
IRON	9	9					10	
COPPER	6	6					13	
LEAD	4	4					17	
TIN	0	0					1	
MOLYBDENUM	11	11					94	
NICKEL	1	1					1	
MANGANESE	0	0					1	
SILVER	1	1					0	
TITANIUM	0	0					0	
POTASSIUM	1	1					1	
BORON	7	7					101	
SILICON	6	6					9	
SODIUM	290	290					51	
CALCIUM	1796	1796					2364	
MAGNESIUM	126	126					142	
PHOSPHORUS	1038	1038					947	
ZINC	1322	1322					1147	
BARIUM	0	0					0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	87.5	77-94				
	cSt Viscosity @ 100°C	17.38	14.8-19.2				
	Flashpoint in °F	400	>385				
	Fuel %	<0.5	<2.0				
	Antifreeze %	-	0.0				
	Water %	0.0	<0.1				
	Insolubles %	0.3	<0.6				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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