



OIL REPORT

LAB NUMBER: E78459 UNIT ID: 01 TURBO
 REPORT DATE: 11/10/2011 CLIENT ID:
 CODE: 44/501 PAYMENT: CC: AmEx

UNIT	MAKE/MODEL: Porsche	OIL TYPE & GRADE: Mobil 1 5W/50
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,500 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS ENRIQUE: No problems showed up here. All wear read close to averages, which is a good indication of normal wearing parts. Universal averages show normal wear after ~2,000 miles on the oil. You noted finding some shiny particles in the oil canister and that's something you will want to filter out and save if possible. For now, we doubt any major problems exist, though if you keep finding more and more metal in the filter, then something may be developing. The TBN read strong at 11.4, so lots of active additive left. 1.0 is too low. Check back in 3,000 miles on this oil.

	MI/HR on Oil	4,500	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	83,500						
	Sample Date	11/04/11						
	Make Up Oil Added	1 qt						
ELEMENTS IN PARTS PER MILLION	ALUMINUM	4	4					4
	CHROMIUM	0	0					0
	IRON	5	5					10
	COPPER	13	13					8
	LEAD	7	7					5
	TIN	0	0					1
	MOLYBDENUM	94	94					69
	NICKEL	2	2					1
	MANGANESE	0	0					0
	SILVER	0	0					0
	TITANIUM	0	0					0
	POTASSIUM	0	0					3
	BORON	198	198					68
	SILICON	4	4					8
	SODIUM	1	1					12
	CALCIUM	3341	3341					2446
	MAGNESIUM	25	25					87
	PHOSPHORUS	939	939					859
ZINC	1036	1036					1010	
BARIUM	0	0					0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	80.5	70-86				
	cSt Viscosity @ 100°C	15.66	12.9-17.3				
	Flashpoint in °F	SHORT	>390				
	Fuel %	-	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	0.0				
	Insolubles %	0.4	<0.6				
	TBN	11.4					
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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