



OIL REPORT

LAB NUMBER: E90867 UNIT ID: 993TT
 REPORT DATE: 2/20/2012 CLIENT ID: 53478
 CODE: 20/75 PAYMENT: Prepaid

UNIT	MAKE/MODEL: Porsche 3.6L Twin Turbo Air Cooled	OIL TYPE & GRADE: Pentosin 5W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 5,000 Miles
	ADDITIONAL INFO: 1996	

COMMENTS
 ROCK: Thanks for the notes. It'll be interesting to see how the Mobil 1 treats your Porsche. The Pentosin certainly got the job done. Wear metals match up well with universal averages, showing no obvious mechanical problems developing. Universal averages show typical wear levels for this type of engine after about 3,200 miles on the oil. Iron is a little higher than average, but that metal tracks with time on the oil so it's not a problem. The viscosity was thick for 5W/40, more like a 15W/50 or 20W/50. That certainly didn't hurt anything. Nice report at 48,500 miles.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5,000	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	48,500						
	Sample Date	02/10/12						
	Make Up Oil Added	0.75 qts						
ALUMINIUM	6	6					5	
CHROMIUM	1	1					1	
IRON	28	28					16	
COPPER	14	14					21	
LEAD	9	9					10	
TIN	0	0					0	
MOLYBDENUM	75	75					65	
NICKEL	2	2					2	
MANGANESE	0	0					1	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM	7	7					2	
BORON	98	98					111	
SILICON	12	12					13	
SODIUM	6	6					6	
CALCIUM	2388	2388					2472	
MAGNESIUM	20	20					149	
PHOSPHORUS	885	885					885	
ZINC	1130	1130					1057	
BARIUM	1	1					0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	85.6	65-78				
	cSt Viscosity @ 100°C	16.91	11.6-15.3				
	Flashpoint in °F	430	>375				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	<0.1				
	Insolubles %	0.2	<0.6				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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