



# OIL REPORT

LAB NUMBER: E77014  
 REPORT DATE: 10/31/2011  
 CODE: 20/34

UNIT ID: 97 993T  
 CLIENT ID: [REDACTED]  
 PAYMENT: CC: Visa (Bulk)

UNIT	MAKE/MODEL: Porsche 3.6L Turbo	OIL TYPE & GRADE: Mobil 1 V-Twin 20W/50
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 5,659 Miles
	ADDITIONAL INFO:	

CLIENT	BILL: [REDACTED]	PHONE: [REDACTED]
	[REDACTED]	FAX:
	ARLINGTON HEIGHTS, IL 60005	ALT PHONE:
		EMAIL: [REDACTED]

**COMMENTS**  
 BILL: Amended report to correct oil type. Mobil 1 lists the viscosity of this oil at 100°C at 20.8 cSt, and the viscosity of this oil is in-spec. We had previously listed a different oil with a different range of specs, so the viscosity appeared to be higher than expected. With the appropriate corrections and the viscosity now in-spec, we don't find any problems at all with this oil or the wear trends your engine is developing. Your Porsche looks to be in good shape – and why wouldn't it be? You're clearly taking great care of it. Keep up the great work.

ELEMENTS IN PARTS PER MILLION	MIL/RON/O	5659	UNIT / LOCATION AVERAGES	4124	5317	5100	2500	UNIVERSAL AVERAGES
	MIL/RON/UTE	54346		48687	44563	39250	33900	
	Sample Date	10/28/11		05/12/11	10/29/10	05/25/10	11/20/09	
	Make Up Oil Added	0 qts		0 qts	0.5 qt	0 qts	0.5 qt	
ALUMINUM	3	3		3	3	3	3	4
CHROMIUM	0	0		0	0	0	0	0
IRON	9	9		7	10	10	10	10
COPPER	5	8		5	6	11	14	17
LEAD	9	10		6	9	13	11	5
TIN	0	1		0	2	1	0	1
MOLYBDENUM	74	80		87	73	82	83	75
NICKEL	1	1		1	0	1	1	1
MANGANESE	0	0		0	0	0	0	7
SILVER	0	0		0	0	0	0	0
TITANIUM	0	0		0	0	0	0	0
POTASSIUM	0	1		1	2	1	0	2
BORON	188	130		192	129	75	68	132
-SILICON	4	4		4	3	3	4	7
-SODIUM	5	5		2	5	9	6	7
CALCIUM	2460	2288		2215	2012	2416	2313	2628
MAGNESIUM	13	16		13	13	15	24	109
PHOSPHORUS	1289	104		1277	1017	1026	911	93
ZINC	1523	1347		1520	1147	1387	1159	1067
BARIUM	0	0		0	0	0	0	0

Values Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	99.5	80-103	89.7	89.7	80.7	83.3
	cSt Viscosity @ 100°C	20.25	15.5-21.5	17.90	17.91	15.71	16.35
	Flashpoint in °F	425	385	370	415	430	410
	Fuel %	<0.5	≤2.0	0.8	<0.5	<0.5	<0.5
	Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0
	Water %	0.0	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.2	≤0.6	0.3	0.1	0.3	0.3
	TBN						6.0
	TAN						
ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE