

OIL REPORT LAB NUMBER: E36377 **REPORT DATE: 11/29/2010 CODE:** 111/75

UNIT ID: 944 0223 **CLIENT ID: 44785** PAYMENT: Prepaid

INN

MAKE/MODEL: Porsche 2.5L 4 Cyl FUEL TYPE: Gasoline (Unleaded) ADDITIONAL INFO:

OIL TYPE & GRADE: OIL USE INTERVAL:

Brad Penn 20W/50 1,467 Miles

CLIENT

COMMENTS

About 2.0% of the sample was fuel, which lowered the viscosity of the oil quite a bit. Some fuel is usually okay (from idling or city driving), but 2.0% is excessive and could be a problem. Watch the oil level for increases from fuel contamination. Insolubles are solids that form in the oil and 0.3% is okay. Averages show typical wear from the Porsche 2.5L engine after ~2,000 miles. Bearing wear (lead) is high - maybe from fuel dilution. All other wear is okay. Sodium is an oil additive in this oil and not coolant. Check the fuel system and resample after ~1,500 miles.

PHONE:

ALT PHONE: EMAIL:

FAX:

ALUMINUM 2 2 2 2 ALUMINUM 2 2 2 2 2 IRON 3 3 3 3 3 3 IRON 3 3 3 4 4 4 4 IRON 3 3 3 4		MI/HR on Oil MI/HR on Unit Sample Date Make Up Oil Added	1,467 86,967 11/21/10 0 qts	UNIT / LOCATION AVERAGES			UNIVERSAL AVERAGES
Borner Borner<		·					
Bonne Bonne <th< td=""><td>N</td><td>ALUMINUM</td><td>2</td><td>2</td><td></td><td></td><td>4</td></th<>	N	ALUMINUM	2	2			4
Bonne Bonne <th< td=""><td>ЦС</td><td></td><td></td><td></td><td></td><td></td><td>3</td></th<>	ЦС						3
Bonne Bonne <th< td=""><td></td><td>IRON</td><td>3</td><td>3</td><td></td><td></td><td>7</td></th<>		IRON	3	3			7
MOLYBDENUM 0 0 0 7 MOLYBDENUM 9 9 9 7 NICKEL 0 0 0 7 MANGANESE 0 0 0 0 7 MANGANESE 0 0 0 0 1 1 SILVER 0 0 0 1 1 1 1 POTASSIUM 2 2 1		COPPER	6	6			4
MOLYBDENUM 9 9 9 7 MOLYBDENUM 9 9 9 7 NICKEL 0 0 0 7 MANGANESE 0 0 0 0 7 MANGANESE 0 0 0 0 0 1 1 SILVER 0 0 0 0 0 1 1 1 POTASSIUM 2 2 0 0 1	ER	LEAD	12	12			3
SILVER 0 0 <th< td=""><td></td><td>TIN</td><td>0</td><td>0</td><td></td><td></td><td>0</td></th<>		TIN	0	0			0
SILVER 0 0 <th< td=""><td>ГS</td><td>MOLYBDENUM</td><td>9</td><td>9</td><td></td><td></td><td>72</td></th<>	ГS	MOLYBDENUM	9	9			72
SILVER 0 0 <th< td=""><td>R</td><td>NICKEL</td><td>0</td><td>0</td><td></td><td></td><td>0</td></th<>	R	NICKEL	0	0			0
TITANIUM 2 2 0 0 0 POTASSIUM 3 3 3 0 0 0 BORON 3 3 3 0 0 0 0 BORON 3 3 3 0 0 0 0 0 SILICON 6 6 0	РА	MANGANESE	0	0			0
POTASSIUM 3 3 3 6 BORON 3 3 6 6 SILICON 6 6 6 6 SODIUM 361 361 6 6 CALCIUM 1424 1424 234 MAGNESIUM 536 536 17 PHOSPHORUS 1082 1082 92	Ζ	SILVER	0	0			0
CALCIUM 1424 1424 234 MAGNESIUM 536 536 17 PHOSPHORUS 1082 1082 92		TITANIUM	2	2			0
CALCIUM 1424 1424 234 MAGNESIUM 536 536 17 PHOSPHORUS 1082 1082 92	Ĕ	POTASSIUM	3	3			0
CALCIUM 1424 1424 234 MAGNESIUM 536 536 17 PHOSPHORUS 1082 1082 92	E	BORON	3	3			61
CALCIUM 1424 1424 234 MAGNESIUM 536 536 17 PHOSPHORUS 1082 1082 92	ELEM	SILICON	6	6			5
CALCIUM 1424 1424 234 MAGNESIUM 536 536 17 PHOSPHORUS 1082 1082 92		SODIUM	361	361			6
PHOSPHORUS 1082 1082 92		CALCIUM	1424	1424			2342
		MAGNESIUM	536	536			176
ZINC 1153 1153 1151 111		PHOSPHORUS	1082	1082			927
		ZINC	1153	1153			1118
BARIUM 0 0		BARIUM	0	0			0

Values Should Be*

			Should be			
	SUS Viscosity @ 210°F	71.0	75-90			
	cSt Viscosity @ 100°C	13.22	14.3-18.2			
S	Flashpoint in °F	345	>385			
ΞL	Fuel %	2.0	<2.0			
PROPERI	Antifreeze %	0.0	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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