BLACKSTONE LABORATORIES

OIL REPORT

LAB NUMBER: D96479
REPORT DATE: 12/1/2009
CODE: 20/284

UNIT ID: [redacted]
CLIENT ID: [redacted]
PAYMENT: CC: Visa

UNIT

MAKE/MODEL: Transmission Porsche - Manual
FUEL TYPE:
ADDITIONAL INFO: 1997 993 Turbo transmission

OIL TYPE & GRADE: Mobil 75W/90
OIL USE INTERVAL: 18,000 Miles

CLIENT

[redacted]

PHONE: [redacted]
FAX:
ALT PHONE:
EMAIL: [redacted]

COMMENTS

BILL: Except for a little excess silicon, nothing unusual showed up in this sample. It's possible the silicon could be from abrasive dirt, but with wear looking pretty good, we think it's more likely from the recent use of a silicon sealer, or it may be additive in the oil itself and in either of those forms, it's harmless. Universal averages show typical wear levels for this type of transmission after about 10,000 miles use on the oil. This oil was run longer, so that explains why wear read a little higher. Insolubles were okay at 0.3%, so the oil wasn't overly oxidized and the viscosity was fine.

ELEMENTS IN PARTS PER MILLION

MI/HRon Oil	18,000	UNIT / LOCATION AVERAGES							UNIVERSAL AVERAGES
MI/HRon Unit	33,900								
Sample Date	11/20/09								
Make Up Oil Added	0 qts								
ALUMINUM	11	11							7
CHROMIUM	2	2							1
IRON	114	114							74
COPPER	21	21							13
LEAD	3	3							4
TIN	0	0							0
MOLYBDENUM	4	4							4
NICKEL	1	1							1
MANGANESE	6	6							6
SILVER	0	0							0
TITANIUM	0	0							0
POTASSIUM	1	1							2
BORON	302	302							290
SILICON	29	29							12
SODIUM	3	3							10
CALCIUM	16	16							50
MAGNESIUM	9	9							390
PHOSPHORUS	1847	1847							1455
ZINC	38	38							68
BARIUM	1	1							3

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	74.7	67-80					
cSt Viscosity @ 100°C	14.18	12.2-15.8					
Flashpoint in °F	390	>380					
Fuel %	-						
Antifreeze %	-						
Water %	0.0	<0.1					
Insolubles %	0.3	<0.8					
TBN							
TAN							
ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com