

UNIT
MAKE/MODEL: Transmission Porsche - Manual
OIL TYPE & GRADE: 75W/90 Gear Lube
FUEL TYPE:
OIL USE INTERVAL: 44,723 Miles
ADDITIONAL INFO:

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

COMMENTS
BILL: This is a good first report. Universal averages show normal wear levels after a mere 7,700 miles on the oil. Considering how much longer this oil was in use and the fact that the oil may contain traces of wear-in metals since this is factory fill, the extra iron and copper that turned up here aren't concerning. Iron comes from steel parts and copper is from brass/bronze. Both may improve next time, even if you decide to go with a longer oil run. The viscosity was a little low, though that's not causing problems. Nice report as of 44,723 miles.

MI/HR on Oil	44,723	UNIT / LOCATION AVERAGES							UNIVERSAL AVERAGES
MI/HR on Unit	44,723								
Sample Date	09/23/11								
Make Up Oil Added	0 qts								
ALUMINUM	4	8							17
CHROMIUM	1	2							1
IRON	115	115							96
COPPER	27	24							14
LEAD	4	4							8
TIN	1	1							1
MOLYBDENUM	1	3							26
NICKEL	1	1							1
MANGANESE	56	31							17
SILVER	0	0							0
TITANIUM	0	0							0
POTASSIUM	0	1							1
BORON	3	153							232
SILICON	3	16							31
SODIUM	1	2							5
CALCIUM	18	17							28
MAGNESIUM	1	5							182
PHOSPHORUS	616	232							464
ZINC	53	46							46
BARIUM	2	2							3

Values Should Be*

PROPERTIES								
SUS Viscosity @ 210°F	63.7	67-80						
cSt Viscosity @ 100°C	11.24	12-15						
Flashpoint in °F	375	≥370						
Fuel %	-							
Antifreeze %	-							
Water %	0.0	≤0.1						
Insolubles %	0.3	≤0.18						
TBN								
TAN								
ISO Code								

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE