COMMENTS

Your Porsche's first report doesn't look too bad. Universal averages show how metals should look after about 4,000 miles on the oil. Your oil saw a longer run, so a little extra iron alone wouldn't really be a problem, though paired with the copper, the iron is questionable. Iron comes from steel parts like rotating shafts and cylinders, and copper comes from brass/bronze. If this engine has seen recent work, these readings might not be too bad at all. The TBN read 6.7 which is still okay since 1.0 is low. Try 6,500 miles next time and check back on metals.

ELEMENTS IN PARTS PER MILLION

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil	5,136							
MI/HR on Unit	49,830							
Sample Date	02/12/12							
Make Up Oil Added	2.6 qts							
ALUMINUM	4	4						4
CHROMIUM	2	2						1
IRON	**23**	23						11
COPPER	**26**	26						11
LEAD	4	4						8
TIN	0	0						1
MOLYBDENUM	1	1						70
NICKEL	0	0						1
MANGANESE	1	1						1
SILVER	0	0						0
TITANIUM	0	0						0
POTASSIUM	0	0						2
BORON	10	10						74
SILICON	5	5						12
SODIUM	7	7						14
CALCIUM	1641	1641						2330
MAGNESIUM	1048	1048						149
PHOSPHORUS	912	912						874
ZINC	985	985						1023
BARIUM	0	0						0

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210ÁF	66.8	65-78					
cSt Viscosity @ 100ÁC	12.10	11.6-15.3					
Flashpoint in ÁF	390	>375					
Fuel %	<0.5	<2.0					
Antifreeze %	0.0	0.0					
Water %	0.0	<0.1					
Insolubles %	0.3	<0.6					
TBN	6.7						
TAN							
ISO Code							

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**