COMMENTS

Iron and copper dropped a bit in this sample from your Carrera, which is good since they were the only metals on the high side last year. Copper is still a bit excessive, but iron is low enough to be considered normal. We're not sure what brass/bronze part is producing the extra metal, but it's hard to call it a problem since the other metals are low. It's likely not an IMS problem since that would show up as high iron and probably an oil leak at the back of the engine. No fuel or coolant showed up. Stay at 5,000 miles on the oil and check back on copper.

MI/HR on Oil	5,049		5,136			
MI/HR on Unit	54,879	UNIT / LOCATION	49,830			UNIVERSAL
Sample Date	01/21/13	AVERAGES	02/12/12			AVERAGES
Make Up Oil Added	3.22 qts	7.12.13.1020	2.6 qts			
ALUMINUM	4	4	4			4
ALUMINUM CHROMIUM IRON	1	2	2			1
IRON	18	21	23			11
COPPER	25	26	26			11
LEAD TIN	4	4	4			6
1111	0	0	0			1
MOLYBDENUM NICKEL	2	2	1			75
1	0	0	0			1
MANGANESE	0	1	1			1
SILVER	0	0	0			0
TITANIUM	0	0	0			0
POTASSIUM	2	1	0			2
BORON	44	27	10			88
POTASSIUM BORON SILICON SODIUM	4	5	5			11
SODIUM	6	7	7			13
CALCIUM	2582	2112	1641			2434
MAGNESIUM	223	636	1048			151
PHOSPHORUS	915	914	912			894
ZINC	1102	1044	985			1037
BARIUM	0	0	0			0

Values Should Be\*

	SUS Viscosity @ 210°F	66.6	65-78	66.8		
	cSt Viscosity @ 100°C	12.04	11.6-15.3	12.10		
IES	Flashpoint in °F	380	>375	390		
≝	Fuel %	<0.5	<2.0	<0.5		
F	Antifreeze %	0.0	0.0	0.0		
	Water %	0.0	<0.1	0.0		
	Insolubles %	0.1	<0.6	0.3		
	TBN			6.7		
	TAN					
	ISO Code					

<sup>\*</sup> THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE