



OIL REPORT

LAB NUMBER: F44423
 REPORT DATE: 3/7/2013
 CODE: 20/75

UNIT ID: 20E
 CLIENT ID: 38843
 PAYMENT: Verbal, Frank

UNIT	EQUIP. MAKE/MODEL: Porsche 3.6L H-6	OIL TYPE & GRADE: Motul X-cess 5W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 2,400 Miles
	ADDITIONAL INFO: 2003 911	

CLIENT	FRANK BAKER	PHONE: (973) 635-6707
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COMMENTS FRANK: Steady wear... it doesn't get much better than that. Some say improvements are better, but that just means something has to read high first. We don't want anything to read high in your engine, so we like the steady wear we've seen from it so far. Copper is the only element that's increased and it shows a tiny bit more wear at brass/bronze parts. At the rate it's going, we might have more fun watching grass grow, so it's fine. The viscosity was on target for 5W/40 and no contamination was found. Oil filtration is good too. Another great report for your Porsche!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	2,400	UNIT / LOCATION AVERAGES	4,296	3,000	UNIVERSAL AVERAGES
	MI/HR on Unit	53,330			41,000	
	Sample Date	02/20/13		12/15/10	12/09/09	
	Make Up Oil Added	0 qts		1 qt	0.75 qt	
ALUMINUM	3	3	3	2	4	
CHROMIUM	0	0	0	0	1	
IRON	6	6	6	6	11	
COPPER	5	4	4	3	10	
LEAD	0	1	1	1	6	
TIN	0	1	2	0	1	
MOLYBDENUM	21	49	75	50	76	
NICKEL	0	0	0	0	1	
MANGANESE	0	1	1	1	1	
SILVER	0	0	0	0	0	
TITANIUM	0	0	0	0	0	
POTASSIUM	1	1	2	0	2	
BORON	81	102	153	73	96	
SILICON	3	4	4	5	10	
SODIUM	9	66	45	143	14	
CALCIUM	2758	2693	2844	2476	2487	
MAGNESIUM	16	117	78	257	151	
PHOSPHORUS	864	894	969	849	916	
ZINC	1008	1052	1106	1041	1060	
BARIUM	0	0	0	0	0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	68.9	65-78	70.4	73.7
	cSt Viscosity @ 100°C	12.67	11.6-15.3	13.07	13.93
	Flashpoint in °F	420	>375	390	390
	Fuel %	<0.5	<2.0	<0.5	<0.5
	Antifreeze %	0.0	0.0	0.0	0.0
	Water %	0.0	<0.1	0.0	0.0
	Insolubles %	0.3	<0.6	0.2	0.1
	TBN				
	TAN				
	ISO Code				

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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