



OIL REPORT

LAB NUMBER:
 REPORT DATE: 7/14/2014
 CODE: 20/34

UNIT ID: 03 CARRERA
 CLIENT ID:
 PAYMENT:

UNIT	EQUIP. MAKE/MODEL: Porsche 3.6L H-6	OIL TYPE & GRADE: Motul X-cess 5W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,056 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS Metals are looking good here! Iron, copper, and lead have improved a little on this 4,056-mile oil change interval. Other metals are holding steady, which is good too. The moving parts in this engine seem to be getting along just fine now. W wouldn't mind if wear improved again next time, but these levels are good as is. The oil itself is looking fantastic as well. The fuel or coolant was found, and insolubles are reading nice and low at 0.1%. A very nice report for this Porsche at 63,147 total miles!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	4,056	UNIT / LOCATION AVERAGES	4,212	5,049	5,136	UNIVERSAL AVERAGES
	MI/HR on Unit	63,147		59,091	54,879	49,830	
	Sample Date	06/20/14		09/21/13	01/21/13	02/12/12	
	Make Up Oil Added	2.8 qts		2.6 qts	3.22 qts	2.6 qts	
ALUMINUM	3	4	3	4	4	4	
CHROMIUM	1	1	1	1	2	1	
IRON	13	17	15	18	23	11	
COPPER	11	19	15	25	26	10	
LEAD	2	3	3	4	4	5	
TIN	1	1	1	0	0	1	
MOLYBDENUM	1	1	1	2	1	77	
NICKEL	1	1	1	0	0	1	
MANGANESE	0	0	0	0	1	1	
SILVER	0	0	0	0	0	0	
TITANIUM	0	0	0	0	0	0	
POTASSIUM	0	1	0	2	0	2	
BORON	48	38	49	44	10	100	
SILICON	3	4	3	4	5	9	
SODIUM	4	5	4	6	7	17	
CALCIUM	2591	2437	2933	2582	1641	2489	
MAGNESIUM	26	341	66	223	1048	152	
PHOSPHORUS	858	905	933	915	912	923	
ZINC	1022	1069	1166	1102	985	1063	
BARIIUM	0	0	0	0	0	0	

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	67.0	65-78	66.7	66.6	66.8
	cSt Viscosity @ 100°C	12.15	11.6-15.3	12.07	12.04	12.10
	Flashpoint in °F	405	>375	400	380	390
	Fuel %	<0.5	<2.0	<0.5	<0.5	<0.5
	Antifreeze %	0.0	0.0	0.0	0.0	0.0
	Water %	0.0	<0.1	0.0	0.0	0.0
	Insolubles %	0.1	<0.6	TR	0.1	0.3
	TBN					6.7
	TAN					
	ISO Code					

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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