



OIL REPORT

LAB NUMBER:
 REPORT DATE: 5/22/2015
 CODE: 20/34

UNIT ID:
 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: 4,667 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS You've got another good report here. Wear metals are holding pretty steady, which is always one thing we like to see o pretty similar oil change intervals. This run was a little longer, so that makes the steady readings all the more impressive We did see that you're using a little more make-up oil these days, and that's worth watching. Extra make up oil could start to dilute metals a bit, but more importantly, it could indicate an engine problem that might not be evident here because metals are diluted. At 4 quarts, you're probably still okay. But we'll watch that.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	4,667	UNIT / LOCATION AVERAGES	4,056	4,212	5,049	5,136	UNIVERSAL AVERAGES
	MI/HR on Unit	67,821		63,147	59,091	54,879	49,830	
	Sample Date	5/11/2015		6/20/2014	9/21/2013	1/21/2013	2/12/2012	
	Make Up Oil Added	4 qts		2.8 qts	2.6 qts	3.22 qts	2.6 qts	
ALUMINUM	3	3	3	3	4	4	4	
CHROMIUM	1	1	1	1	1	2	1	
IRON	13	16	13	15	18	23	11	
COPPER	10	17	11	15	25	26	9	
LEAD	3	3	2	3	4	4	4	
TIN	0	0	1	1	0	0	1	
MOLYBDENUM	1	1	1	1	2	1	80	
NICKEL	1	1	1	1	0	0	1	
MANGANESE	0	0	0	0	0	1	1	
SILVER	0	0	0	0	0	0	0	
TITANIUM	0	0	0	0	0	0	0	
POTASSIUM	1	1	0	0	2	0	2	
BORON	52	41	48	49	44	10	111	
SILICON	3	4	3	3	4	5	7	
SODIUM	3	5	4	4	6	7	14	
CALCIUM	2905	2530	2591	2933	2582	1641	2584	
MAGNESIUM	22	277	26	66	223	1048	138	
PHOSPHORUS	940	912	858	933	915	912	921	
ZINC	1147	1084	1022	1166	1102	985	1063	
BARIUM	0	0	0	0	0	0	0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	67.7	65-78	67.0	66.7	66.6	66.8
	cSt Viscosity @ 100°C	12.33	11.6-15.3	12.15	12.07	12.04	12.10
	Flashpoint in °F	395	>375	405	400	380	390
	Fuel %	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5
	Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0
	Water %	0.0	<0.1	0.0	0.0	0.0	0.0
	Insolubles %	TR	<0.6	0.1	TR	0.1	0.3
	TBN						6.7
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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